



**NORTH AMERICA
PIGMENTS FOR THE
COATINGS INDUSTRY**

North America

PIGMENTS FOR THE COATINGS INDUSTRY

INTRODUCTION

This pattern card illustrates our pigments for the coatings industry. It is divided up into the Hostaperm[®], Novoperm[®], Permanent, Hansa[®], Arrovide[®] and Graphtol[®] ranges. The illustrations are representative and therefore shade deviations are possible. The prints cannot be used for tests of pigment properties and colorimetric comparison.

SHADE DEPTHS

- VT = Mass tone
TT = Deep shade
I = 1/3 Standard depth (1: x TiO₂)
II = 1/25 Standard depth (1: x TiO₂)
x = The proportion of TiO₂ necessary to bring 1 part colored pigment to the required shade depth. These data must be regarded as guide values, which can be influenced by the binder used and the conditions of dispersion.

DISPERSIBILITY

- 1 = High dispersing effort
2 = Moderate dispersion effort
3 = Low dispersing effort
≈ = Dissolver dispersible
sb = solvent-based
wb = water-based

FASTNESS TO LIGHT

Assessment against the 8-step Blue Scale (DIN EN 105-B01). No data means that the pigment is not recommended in the quoted concentration.

FASTNESS TO WEATHERING

Assessment - after 12 months outdoor weathering - against the 5-step » Change of shade « Grey Scale (DIN EN 20105-A02). No data means that the pigment is not recommended in the quoted concentration.

BLOOMING

-
- High risk of pigment bloom
-
- ⦿ Risk of pigment bloom, particularly in low concentrations
-
- No pigment bloom observed
-

North America

PIGMENTS FOR THE COATINGS INDUSTRY

ECOTAIN

Products that offer outstanding sustainability advantages are awarded Clariant's EcoTain® label. EcoTain® products significantly exceed sustainability market standards, have best-in-class performance and contribute overall to sustainability efforts of the company and our customers.

HEAT STABILITY

The values quoted indicate up to what temperature the pigments do not significantly alter. These are guide values which can be influenced by the binder used and the period of exposure to high temperature.

OVERSPRAY FASTNESS

Assessment of bleeding into a white stoving enamel for 30 minutes at 120°C and 160°C against the 5-step » Bleeding« Grey Scale (DIN EN 20105-A03). No data means that the pigment is not recommended for stoving enamels because of the high risk of bleeding.

RESISTANCE TO ACIDS, ALKALIS

Assessment against the 5-step » Change of shade « Grey Scale (DIN EN 20105-A02).

SOLVENT FASTNESS

Assessment against the 5-step » Bleeding « Grey Scale (DIN EN 20105-A03).

DENSITY

Quoted in g/cm³

SPECIFIC SURFACE

Quoted in m²/g

ABBREVIATIONS AND EXPLANATIONS

LL	Air drying paint
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EL	Stoving enamel
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d	Becomes darker
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MEK	Methyl Ethyl Ketone
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Spec. surface	Specific surface
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*	Not measured
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**	Not measurable
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Hansa

Yellow 10G

P.Y.003

TT



Physical Data

Density 1.58

Spec. Surface 11

Fastness

I 1:2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8d/-	7-8/-	6-7/-
Weathering	4-5/-	4/-	3/-

Acid 5

Alkali 5

Heat Stability 140

Overspray
120/160°C -/-

Butyl Glycol 3

Butanol 2

MEK 2

Butyl acetate 2

White spirit 3

Xylene 2

Blooming ●

II 1:26 TiO₂



Permanent

Yellow G

P.Y.014

TT



Physical Data

Density 1.39

Spec. Surface 33

Fastness

	VT LL/EL
Light	5/-
Weathering	-/-
Acid	4
Alkali	3
Heat Stability	180
Overspray 120/160°C	—
Butyl Glycol	4
Butanol	5
MEK	4-5
Butyl acetate	4
White spirit	5
Xylene	3-4
Blooming	O

Permanent

Yellow GG

P.Y.017

TT



Physical Data

Density 1.36

Spec. Surface 23

Fastness

	VT LL/EL
Light	6/-
Weathering	-/-
Acid	5
Alkali	5
Heat Stability	180
Overspray 120/160°C	—
Butyl Glycol	4
Butanol	5
MEK	4-5
Butyl acetate	4-5
White spirit	5
Xylene	3-4
Blooming	O

Hostaperm

Oxide Yellow BV 01

P.Y.184

TT



Physical Data

Density 6.0

Spec. Surface 7.1

Fastness

I 1:0.84 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	8/8	8/8
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Weathering	4-5/4-5	4-5/4-5	4-5/4-5
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Acid	5		
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Alkali	5		
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Heat Stability	200		
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Overspray 120/160°C	5/5		
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Butyl Glycol	5		
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Butanol	5		
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MEK	5		
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Butyl acetate	5		
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White spirit	5		
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Xylene	5		
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Blooming	O		
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II 1:14.8 TiO₂



Hostaperm

Oxide Yellow BV 02

P.Y.184

TT



Physical Data

Density 6.0

Spec. Surface 7.1

Fastness

I 1:0.92 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	4-5/4-5	4-5/4-5	4-5/4-5

Acid 5

Alkali 5

Heat Stability 200

Overspray
120/160°C 5/5

Butyl Glycol 5

Butanol 5

MEK 5

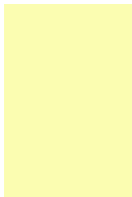
Butyl acetate 5

White spirit 5

Xylene 5

Blooming 0

II 1:16.2 TiO₂



Hostaperm

Yellow H6G

P.Y.175

TT



Physical Data

Density 1.52

Spec. Surface 28

Fastness

I 1:2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	8/8	7-8/7-8
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Weathering	5/5	4-5/4-5	4/4
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Acid	5		
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Alkali	5		
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Heat Stability	180		
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Overspray 120/160°C	5/4		
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Butyl Glycol	4		
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Butanol	4-5		
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MEK	3-4		
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Butyl acetate	4-5		
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White spirit	5		
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Xylene	5		
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Blooming	0		
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II 1:33 TiO₂



Novoperm

Yellow F2G-US

P.Y.194

TT



Physical Data

Density 1.46

Spec. Surface 19

Fastness

I 1:4.7 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8/7-8	7/7-8	7/7
Weathering	4-5/4-5	3-4/4	3-4/3-4

Acid 5

Alkali 5

Heat Stability 200

Overspray
120/160°C 5/4

Butyl Glycol 4

Butanol 4

MEK 3

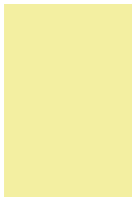
Butyl acetate 3-4

White spirit 4-5

Xylene 3

Blooming O

II 1:68 TiO₂



Novoperm

Yellow F2G 01

P.Y.194



TT



Physical Data

Density	1.46
Spec. Surface	19
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:4.7 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8/7-8	7/7-8	7/7
Weathering	4-5/4-5	3-4/4	3-4/3-4

Acid 5

Alkali 5

Heat Stability 200

Overspray
120/160°C 5/4

Butyl Glycol 4

Butanol 4

MEK 3

Butyl acetate 3-4

White spirit 4-5

Xylene 3

Blooming O

II 1:68 TiO₂



Hostaperm

Yellow H4G 70

P.Y.151

TT



Physical Data

Density 1.57

Spec. Surface 20

Fastness

I 1:3.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	8/8	7-8/7-8
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Weathering	5/5	4-5/4-5	4/4
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Acid	5		
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Alkali	3		
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Heat Stability	200		
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Overspray 120/160°C	5/5		
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Butyl Glycol	5		
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Butanol	5		
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MEK	5		
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Butyl acetate	5		
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White spirit	5		
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Xylene	5		
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Blooming	0		
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II 1:48 TiO₂



Hostaperm

Yellow H4G 01

P.Y.151



TT



Physical Data

Density	1.55
Spec. Surface	-
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:2.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	7-8/7-8
Weathering	5/5	4-5/4-5	4/4
Acid	5		
Alkali	3		
Heat Stability	200		

II 1:42 TiO₂



Overspray 120/160°C	5/5
Butyl Glycol	4-5
Butanol	5
MEK	4-5
Butyl acetate	4
White spirit	5
Xylene	4-5
Blooming	0

Novoperm

Yellow 5GD 71

P.Y.155

TT



Physical Data

Density 1.44

Spec. Surface 34

Fastness

I 1:4.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	7/7	7/6
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Weathering	4-5/4-5	4/4	4/4
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Acid	5		
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Alkali	5		
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Heat Stability	180		
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Overspray 120/160°C	5/5		
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Butyl Glycol	4-5		
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Butanol	5		
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MEK	3-4		
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Butyl acetate	4-5		
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White spirit	5		
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Xylene	4-5		
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Blooming	0		
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II 1:75 TiO₂



Novoperm

Yellow FGL

P.Y.097

TT



Physical Data

Density 1.39

Spec. Surface 14

Fastness

I 1:3.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	7-8/7-8	7/7-8	7/7
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Weathering	4-5/4-5	3-4/4	3/3
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Acid	5		
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Alkali	5		
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Heat Stability	180		
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Overspray 120/160°C	5/4-5		
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Butyl Glycol	4-5		
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Butanol	4-5		
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MEK	2-3		
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Butyl acetate	2-3		
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White spirit	5		
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Xylene	4		
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Blooming	0		
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II 1:51 TiO₂



Hostaperm

Yellow H3G

P.Y.154

TT



Physical Data

Density 1.59

Spec. Surface 19

Fastness

I 1:2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	5/5	5/5	5/5

Acid 5

Alkali 5

Heat Stability 160

Overspray
120/160°C 5/3-4

Butyl Glycol 3-4

Butanol 4-5

MEK 3-4

Butyl acetate 4-5

White spirit 5

Xylene 5

Blooming 0

II 1:29 TiO₂



Hostaperm

Yellow H3G 02

P.Y.154



TT



Physical Data

Density	1.54
Spec. Surface	22
Dispersability	3
Dissolver	≈ wb

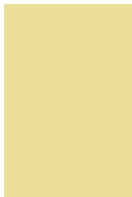
Fastness

I 1:2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	5/5	5/5	5/5
Acid	5		
Alkali	5		
Heat Stability	160		

II 1:29 TiO₂



Overspray 120/160°C	5/3-4
Butyl Glycol	3-4
Butanol	4-5
MEK	3-4
Butyl acetate	4-5
White spirit	5
Xylene	5
Blooming	0

Hansa

Brilliant Yellow 5GX 03

P.Y.074

TT



Physical Data

Density 1.41

Spec. Surface 47

Fastness

I 1:12.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7d/-	6/-	5/-
Weathering	4d/-	2-3/-	2/-
Acid	5		
Alkali	5		
Heat Stability	140		
Overspray 120/160°C	-/-		
Butyl Glycol	3		
Butanol	3-4		
MEK	2-3		
Butyl acetate	2-3		
White spirit	3-4		
Xylene	2		
Blooming	●		

II 1:131 TiO₂



Hansa

Brilliant Yellow 4GX

P.Y.073

TT



Physical Data

Density 1.48

Spec. Surface 21

Fastness

I 1:7.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	7	6	5
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Weathering	3-4d	2	1-2
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Acid	5		
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Alkali	5		
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Heat Stability	140		
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Overspray 120/160°C	-/-		
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Butyl Glycol	3		
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Butanol	3-4		
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MEK	2-3		
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Butyl acetate	2-3		
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White spirit	3-4		
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Xylene	2-3		
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Blooming	●		
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II 1:72 TiO₂



Hansa

Yellow G 02

P.Y.001

TT



Physical Data

Density 1.4

Spec. Surface 25

Fastness

I 1:5.8 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	7/-	6/-	5/-
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Weathering	3-4d/-	2/-	1-2/-
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Acid	5		
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Alkali	5		
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Heat Stability	140		
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Overspray 120/160°C	-/-		
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Butyl Glycol	3		
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Butanol	3		
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MEK	2-3		
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Butyl acetate			
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White spirit	3-4		
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Xylene	2-3		
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Blooming	●		
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Hansa

Brilliant Yellow 2GX 70

P.Y.074

TT



Physical Data

Density 1.43

Spec. Surface 16

Fastness

I 1:4.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8/-	7-8/-	6-7/-
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Weathering	4-5/-	3-4/-	3/-
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Acid	5		
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Alkali	5		
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Heat Stability	140		
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Overspray 120/160°C	-/-		
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Butyl Glycol	3-4		
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Butanol	3-4		
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MEK	3		
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Butyl acetate	3		
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White spirit	4		
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Xylene	2-3		
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Blooming	●		
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II 1:51 TiO₂



Hansa

Brilliant Yellow 2GX 70-S

P.Y.074

TT



Physical Data

Density 1.43

Spec. Surface 16

Fastness

I 1:4.8 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	7-8/-	7-8/-	6-7/-
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Weathering	4-5/-	3-4/-	3/-
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Acid	5		
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Alkali	5		
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Heat Stability	140		
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Overspray 120/160°C	—		
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Butyl Glycol	4		
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Butanol	4-5		
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MEK	3		
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Butyl acetate	3		
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White spirit	4-5		
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Xylene	3		
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Blooming	●		
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II 1:53 TiO₂



Hansa

Brilliant Yellow 2GX 72-S

P.Y.074



TT



Physical Data

Density	1.39
Spec. Surface	21
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:4.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8/-	7-8/-	6-7/-
Weathering	4-5/-	3-4/-	3/-

Acid 5

Alkali 5

Heat Stability 140

Overspray
120/160°C —

Butyl Glycol 4

Butanol 4-5

MEK 3

Butyl acetate 3

White spirit 4-5

Xylene 3

Blooming ●

II 1:51 TiO₂



Novoperm

Yellow HR

P.Y.083

TT



Physical Data

Density 1.43

Spec. Surface 27

Fastness

I 1:9.7 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	6-7/6-7d	6/6-7	4-5/4-5
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Weathering	3d/3d	2-3/2	2/1-2
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Acid	5		
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Alkali	5		
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Heat Stability	200		
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Overspray 120/160°C	5/5		
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Butyl Glycol	4-5		
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Butanol	4-5		
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MEK	3		
-----	---	--	--

Butyl acetate	4		
---------------	---	--	--

White spirit	5		
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Xylene	3-4		
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Blooming	O		
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II 1:137 TiO₂



Novoperm

Yellow HR 02

P.Y.083

TT



Physical Data

Density 1.43

Spec. Surface 30

Fastness

I 1:9.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6-7/6-7d	6/6-7	4-5/4-5
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Weathering	3d/3d	2-3/2	2/1-2
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Acid	5		
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Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
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MEK	3		
-----	---	--	--

Butyl acetate	4		
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White spirit	5		
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Xylene	3-4		
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Blooming	O		
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II 1:132 TiO₂



Novoperm

Yellow HR 70

P.Y.083

TT



Physical Data

Density 1.51

Spec. Surface 21

Fastness

I 1:3.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	7-8d/7-8d	7-8/7-8	6-7/6-7
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Weathering	4d/4d	4/4	3/3
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Acid	5		
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Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/4-5		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
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MEK	3-4		
-----	-----	--	--

Butyl acetate	3-4		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	3-4		
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Blooming	O		
----------	---	--	--

II 1:59 TiO₂



Novoperm

Yellow HR 72

P.Y.083



TT



Physical Data

Density	1.50
Spec. Surface	20
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:4.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8d/7-8d	7-8/7-8	6-7/6-7
-------	-----------	---------	---------

Weathering	4d/4d	4/4	3/3
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:61 TiO₂



Novoperm

Yellow HRT

P.Y.083

TT



Physical Data

Density 1.51

Spec. Surface —

Fastness

	VT LL/EL
Light	7-8d/*
Weathering	4d/*
Acid	5
Alkali	5
Heat Stability	200
Overspray 120/160°C	5/4-5
Butyl Glycol	4-5
Butanol	4-5
MEK	4-5
Butyl acetate	4-5
White spirit	5
Xylene	4-5
Blooming	O

Dalamar

Yellow YT-800-D

P.Y.065

TT



Physical Data

Density 1.44

Spec. Surface 6

Fastness

I 1:4.8 TiO₂



	VT LL/EL	I LL/EL
Light	7/-	6-7/-
Weathering	4-5/-	3-4/-
Acid	5	
Alkali	5	
Heat Stability	140	
Overspray 120/160°C	-/-	
Butyl Glycol	—	
Butanol	2	
MEK	1	
Butyl acetate	1-2	
White spirit	2	
Xylene	1-2	
Blooming	●	

Dalamar

Yellow YT 805 D

P.Y.065

TT



Physical Data

Density 1.44

Spec. Surface 6

Fastness

I 1:4.8 TiO₂



	VT LL/EL	I LL/EL
Light	7/-	6-7/-
Weathering	4-5/-	3-4/-
Acid	5	
Alkali	5	
Heat Stability	140	
Overspray 120/160°C	-/-	
Butyl Glycol	—	
Butanol	2	
MEK	1	
Butyl acetate	1-2	
White spirit	2	
Xylene	1-2	
Blooming	●	

Hansa

Yellow X

P.Y.075

TT



Physical Data

Density 1.45

Spec. Surface 20

Fastness

I 1:3.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8/-	7-8/-	6-7/-
-------	-------	-------	-------

Weathering	5/-	3-4/-	3/-
------------	-----	-------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	140		
----------------	-----	--	--

Overspray 120/160°C	-/-		
------------------------	-----	--	--

Butyl Glycol	-		
--------------	---	--	--

Butanol	3		
---------	---	--	--

MEK	2-3		
-----	-----	--	--

Butyl acetate	2-3		
---------------	-----	--	--

White spirit	2-3		
--------------	-----	--	--

Xylene	2		
--------	---	--	--

Blooming	●		
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II 1:34 TiO₂



Novoperm

Yellow M2R 70

P.Y.139

TT



Physical Data

Density 1.75

Spec. Surface 20

Fastness

I 1:3.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	7-8/7-8
-------	-----	-----	---------

Weathering	5d/5d	5/5	4/4
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	5		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	O		
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II 1:48 TiO₂



Novoperm

Yellow M2R 71

P.Y.139



TT



Physical Data

Density	1.65
Spec. Surface	—
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:3.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	7-8/7-8
Weathering	5d/5d	5/5	4/4
Acid	5		
Alkali	4-5		
Heat Stability	200		
Overspray 120/160°C	5/5		

II 1:48 TiO₂



Butyl Glycol	5
Butanol	5
MEK	5
Butyl acetate	5
White spirit	5
Xylene	5
Blooming	0

Novoperm

Orange H5G 70

P.O.062

TT



Physical Data

Density 1.52

Spec. Surface 10

Fastness

I 1:1.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	7-8/8	7/7
-------	-----	-------	-----

Weathering	5/5	4-5/4-5	4/4
------------	-----	---------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	5/4		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
----------	---	--	--

II 1:18 TiO₂



Permanent

Orange G

P.O.013

TT



Physical Data

Density 1.41

Spec. Surface 38

Fastness

I 1:3.7 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	6/6	5/5
-------	-------	-----	-----

Weathering	4d/3-4d	2-3/2-3	2/2
------------	---------	---------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	4/3		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	3-4		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	3-4		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:42 TiO₂



Novoperm

Orange HL

P.O.036

TT



Physical Data

Density 1.64

Spec. Surface 31

Fastness

I 1:3.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	7-8/8	6-7/7
-------	-----	-------	-------

Weathering	4-5/4-5	4/4	3/3
------------	---------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	5/4-5		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:36 TiO₂



Novoperm

Orange HL 70

P.O.036

TT



Physical Data

Density 1.62

Spec. Surface 14

Fastness

I 1:2.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	7-8/7-8
-------	-----	-----	---------

Weathering	5/5	4-5/4-5	4/4
------------	-----	---------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	5/4-5		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	0		
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II 1:21 TiO₂



Novoperm

Orange HL 71

P.O.036



TT



Physical Data

Density	1.62
Spec. Surface	25
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:2.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	7-8/7-8
Weathering	5/5	4-5/4-5	4/4
Acid	5		
Alkali	5		
Heat Stability	160		

II 1:23 TiO₂



Overspray 120/160°C	5/4-5
Butyl Glycol	4-5
Butanol	4-5
MEK	4-5
Butyl acetate	4-5
White spirit	5
Xylene	4-5
Blooming	O

Hostaperm

Orange GR-US

P.O.043

TT



Physical Data

Density 1.58

Spec. Surface 38

Fastness

I 1:3.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	5-6d/6-7d	6-7d/7d	7/8
-------	-----------	---------	-----

Weathering	3d/3d	3d/3d	3/3-4d
------------	-------	-------	--------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
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Blooming	O		
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II 1:38 TiO₂



Permanent

Orange RL 70

P.O.034

TT



Physical Data

Density 1.43

Spec. Surface 30

Fastness

I 1:4.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6-7d/6-7d	6/6	5-6/5-6
-------	-----------	-----	---------

Weathering	3-4d/3-4d	2/2	1-2/1-2
------------	-----------	-----	---------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	4-5/4		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	3-4		
-----	-----	--	--

Butyl acetate	4		
---------------	---	--	--

White spirit	4-5		
--------------	-----	--	--

Xylene	3		
--------	---	--	--

Blooming	O		
----------	---	--	--

II 1:54 TiO₂



Hostaperm

Scarlet GO

P.R.168

TT



Physical Data

Density 2.08

Spec. Surface 33

Fastness

I 1:1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	8/8
-------	-----	-----	-----

Weathering	5/5	5/5	5/5
------------	-----	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	4-5/5		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:20 TiO₂



Hostaperm

Scarlet GO Transp

P.R.168

TT



Physical Data

Density 2.01

Spec. Surface 22

Fastness

I 1:2.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	7-8/7-8
-------	-----	-----	---------

Weathering	5/5	5/5	4-5/4-5
------------	-----	-----	---------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	4-5/4		
------------------------	-------	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:37 TiO₂



Hansa

Red GG

P.O.005

TT



Physical Data

Density 1.55

Spec. Surface 12

Fastness

I 1:3.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6d/-	5-6/-	5/-
-------	------	-------	-----

Weathering	3d/-	2/-	2/-
------------	------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	-/-		
------------------------	-----	--	--

Butyl Glycol	3-4		
--------------	-----	--	--

Butanol	3		
---------	---	--	--

MEK	2		
-----	---	--	--

Butyl acetate	2-3		
---------------	-----	--	--

White spirit	4		
--------------	---	--	--

Xylene	2		
--------	---	--	--

Blooming	●		
----------	---	--	--

Hansa

Red GG-A

P.O.005

TT



Physical Data

Density 1.55

Spec. Surface 12

Fastness

I 1:3.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6d/-	5-6/-	5/-
-------	------	-------	-----

Weathering	3d/-	2/-	2/-
------------	------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	-/-		
------------------------	-----	--	--

Butyl Glycol	3-4		
--------------	-----	--	--

Butanol	3		
---------	---	--	--

MEK	2		
-----	---	--	--

Butyl acetate	2-3		
---------------	-----	--	--

White spirit	4		
--------------	---	--	--

Xylene	2		
--------	---	--	--

Blooming	●		
----------	---	--	--

II 1:29 TiO₂



Hansa

Scarlet RNC

P.R.003

TT



Physical Data

Density 1.42

Spec. Surface 17

Fastness

I 1:4.8 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7/-	4/-	3-4/-
-------	-----	-----	-------

Weathering	4/-	1-2/-	1/-
------------	-----	-------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	-/-		
------------------------	-----	--	--

Butyl Glycol	3-4		
--------------	-----	--	--

Butanol	3		
---------	---	--	--

MEK	2		
-----	---	--	--

Butyl acetate	2		
---------------	---	--	--

White spirit	2-3		
--------------	-----	--	--

Xylene	2		
--------	---	--	--

Blooming	●		
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Novoperm

Red HF3S

P.R.188

TT



Physical Data

Density 1.47

Spec. Surface 22

Fastness

I 1:2.9 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	6-7/6-7	6/6
-------	-------	---------	-----

Weathering	4d/4d	3/3	2-3/3
------------	-------	-----	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4		
---------------	---	--	--

White spirit	4-5		
--------------	-----	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:42 TiO₂



Novoperm

Red HF3S 70

P.R.188

TT



Physical Data

Density 1.49

Spec. Surface 13

Fastness

I 1:2.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8d/7-8d	7/7	6-7/6-7
-------	-----------	-----	---------

Weathering	4-5d/4-5d	4/4	3/3-4
------------	-----------	-----	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:31 TiO₂



Hostaperm

Red D2G 70

P.R.254

TT



Physical Data

Density 1.55

Spec. Surface 16

Fastness

I 1:4.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	4-5/4-5	4-5/4-5	4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4-5		
Butanol	4-5		
MEK	4-5		
Butyl acetate	5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:55 TiO₂



Hostaperm

Red D3G 70

P.R.254

TT



Physical Data

Density 1.60

Spec. Surface 27

Fastness

I 1:5.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	4-5/4-5	4/4	4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4-5		
Butanol	4-5		
MEK	4-5		
Butyl acetate	5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:84 TiO₂



Hostaperm

Red D3G 71

P.R.254



TT



Physical Data

Density	1.56
Spec. Surface	—
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:5.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	4-5/4-5	4/4	4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	5		
Butanol	5		
MEK	4-5		
Butyl acetate	5		
White spirit	5		
Xylene	4-5		
Blooming	0		

II 1:84 TiO₂



Hostaperm

Red D3G 72

P.R.254



TT



Physical Data

Density	1.61
Spec. Surface	22
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:5.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/7-8	8/6
Weathering	4-5/4-5	4/4	4/4
Acid	5		
Alkali	4-5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	5		
Butanol	5		
MEK	5		
Butyl acetate	5		
White spirit	—		
Xylene	3-4		
Blooming	O		

II 1:84 TiO₂



Permanent

Red FGR

P.R.112

TT



Physical Data

Density 1.49

Spec. Surface 31

Fastness

I 1:6.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8/8	6-7/7-8	6/6
-------	-------	---------	-----

Weathering	4-5/4-5	3/3-4	3/3
------------	---------	-------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	1/1		
------------------------	-----	--	--

Butyl Glycol	3		
--------------	---	--	--

Butanol	3-4		
---------	-----	--	--

MEK	2-3		
-----	-----	--	--

Butyl acetate	2-3		
---------------	-----	--	--

White spirit	4		
--------------	---	--	--

Xylene	2-3		
--------	-----	--	--

Blooming	●		
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II 1:60 TiO₂



Permanent

Red FGR 70

P.R.112

TT



Physical Data

Density 1.48

Spec. Surface 11

Fastness

I 1:4.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7-8/8	6-7/7-8	6/6
-------	-------	---------	-----

Weathering	4-5/4-5	3/3-4	3/3
------------	---------	-------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	180		
----------------	-----	--	--

Overspray 120/160°C	1/1		
------------------------	-----	--	--

Butyl Glycol	3		
--------------	---	--	--

Butanol	3-4		
---------	-----	--	--

MEK	2-3		
-----	-----	--	--

Butyl acetate	2-3		
---------------	-----	--	--

White spirit	4		
--------------	---	--	--

Xylene	2-3		
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Blooming	●		
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II 1:53 TiO₂



Permanent

Lake Red LCLL

P.R.053:1

TT



Physical Data

Density 1.8

Spec. Surface 58

Fastness

	VT LL/EL
Light	4/-
Weathering	-/-
Acid	4-5
Alkali	4-5
Heat Stability	200
Overspray 120/160°C	-/-
Butyl Glycol	4
Butanol	4
MEK	2-3
Butyl acetate	4
White spirit	5
Xylene	3
Blooming	O

Hansa

Red B

P.R.003

TT



Physical Data

Density 1.42

Spec. Surface 10

Fastness

I 1:3.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7/-	4/-	3-4/-
Weathering	4/-	1-2/-	1/-
Acid	5		
Alkali	5		
Heat Stability	180		
Overspray 120/160°C	-/-		
Butyl Glycol	4		
Butanol	3		
MEK	2		
Butyl acetate	2		
White spirit	2-3		
Xylene	2		
Blooming	●		

II 1:35 TiO₂



Hansa

Red 3B

P.R.003

TT



Physical Data

Density 1.42

Spec. Surface 9

Fastness

I 1:3.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7/-	4/-	3-4/-
Weathering	3-4/-	1-2/-	1/-
Acid	5		
Alkali	5		
Heat Stability	180		
Overspray 120/160°C	—		
Butyl Glycol	3-4		
Butanol	3		
MEK	2		
Butyl acetate	2		
White spirit	2-3		
Xylene	2		
Blooming	●		

II 1:33 TiO₂



Novoperm

Red F2RK 70

P.R.170

TT



Physical Data

Density 1.40

Spec. Surface 19

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	6-7/6-7	5-6/5-6
-------	-------	---------	---------

Weathering	4d/4d	3/3	2-3/2-3
------------	-------	-----	---------

Acid	5		
------	---	--	--

Alkali	3		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	4/3		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
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II 1:62 TiO₂



Novoperm

Red F3RK 70

P.R.170

TT



Physical Data

Density 1.44

Spec. Surface 19

Fastness

I 1:4.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	6/6	5/5
-------	-------	-----	-----

Weathering	4d/3-4d	2-3/2-3	2/2
------------	---------	---------	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	4/3		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
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II 1:57 TiO₂



Novoperm

Red RT-172-D

P.R.170

TT



Physical Data

Density 1.44

Spec. Surface 19

Fastness

I 1:5.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	6-7/6-7	5-6/5-6
-------	-------	---------	---------

Weathering	4d/3-4d	3/2-3	3/2-3
------------	---------	-------	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	4/3		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
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II 1:67 TiO₂



Arrovide

Red B 170

P.R.170

TT



Physical Data

Density 1.33

Spec. Surface 26

Fastness

I 1:6.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6d/6d	5/5	4-5/4-5
-------	-------	-----	---------

Weathering	3d/3d	2/2	2/2
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	3/2		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	4		
---------	---	--	--

MEK	3		
-----	---	--	--

Butyl acetate	4		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	0		
----------	---	--	--

II 1:86 TiO₂



Novoperm

Red F5RK A

P.R.170

TT



Physical Data

Density 1.40

Spec. Surface 25

Fastness

I 1:6.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6d/6d	5/5	4-5/4-5
-------	-------	-----	---------

Weathering	3d/3d	2/2	2/2
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	3/2		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	4		
---------	---	--	--

MEK	3		
-----	---	--	--

Butyl acetate	4		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	0		
----------	---	--	--

II 1:86 TiO₂



Hostaperm

Red P2GL-WD

P.R.179

TT



Physical Data

Density 1.56

Spec. Surface **

Fastness

I 1:9.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	8/8	8/8
-------	-------	-----	-----

Weathering	4-5d/4-5d	5/5	4-5/4-5
------------	-----------	-----	---------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	5		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
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II 1:89 TiO₂



Hostaperm

Pink E

P.R.122



TT



Physical Data

Density 1.45

Spec. Surface 77

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8d/7-8d	8/8	7-8/8
Weathering	4d/4d	4-5/4-5	4/4-5

Acid 5

Alkali 5

Heat Stability 200

Overspray
120/160°C 5/5

Butyl Glycol 5

Butanol 5

MEK 4-5

Butyl acetate 4-5

White spirit 5

Xylene 5

Blooming 0

II 1:71 TiO₂



Hostaperm

Pink E 11

P.R.122



TT



Physical Data

Density	1.34
Spec. Surface	—
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8d	7-8	7-8
Weathering	4d	4	4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4		
Butanol	4-5		
MEK	4-5		
Butyl acetate	4-5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:71 TiO₂



Hostaperm

Pink E 12

P.R.122



TT



Physical Data

Density	1.43
Spec. Surface	54
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	-/7-8	-/7-8	-/7-8
Weathering	-/4d	-/4-5	-/4-5

Acid	5
Alkali	5
Heat Stability	200

Overspray 120/160°C	5/5
------------------------	-----

Butyl Glycol	4-5
--------------	-----

Butanol	4-5
---------	-----

MEK	4-5
-----	-----

Butyl acetate

White spirit	5-Jan
--------------	-------

Xylene	5
--------	---

Blooming	O
----------	---

II 1:7.1 TiO₂



Hostaperm

Pink E-WD

P.R.122



TT



Physical Data

Density 1.44

Spec. Surface 76

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7d/7d	8/8	7-8/8
Weathering	-/4d	-/4-5	-/4-5
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4-5		
Butanol	4-5		
MEK	4-5		
Butyl acetate			
White spirit	5-Jan		
Xylene	5		
Blooming	O		

II 1:7.1 TiO₂



Hostaperm

Pink E-WD 01

P.R.122



TT



Physical Data

Density	1.43
Spec. Surface	63
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7-8	7-8	7-8
Weathering	4d	4-5	4-5
Acid	5		
Alkali	5		
Heat Stability	200		

II 1:71 TiO₂



Overspray 120/160°C	5/5
Butyl Glycol	4
Butanol	4
MEK	5
Butyl acetate	5
White spirit	—
Xylene	3-4
Blooming	O

Hostaperm

Pink E Transp 01

P.R.122



TT



Physical Data

Density 1.50

Spec. Surface 75

Fastness

I 1:5.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	7-8/7-8	7-8/7-8
-------	-------	---------	---------

Weathering	4d/4d	4/4-5	4/4-5
------------	-------	-------	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
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II 1:72 TiO₂



Hostaperm

Pink EB Transp

P.R.122



TT



Physical Data

Density 1.47

Spec. Surface 80

Fastness

I 1:5.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	7-8/7-8	7-8/7-8
-------	-------	---------	---------

Weathering	4d/4d	4/4-5	4/4-5
------------	-------	-------	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
----------	---	--	--

II 1:72 TiO₂



Hostaperm

Red E2B 70

P.V.019

TT



Physical Data

Density 1.46

Spec. Surface 31

Fastness

I 1:3.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	7-8/7-8	7-8/8
-------	-------	---------	-------

Weathering	4d/4d	4-5/4-5	4-5/4-5
------------	-------	---------	---------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
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II 1:46 TiO₂



Hostaperm

Red E3B

P.V.019

TT



Physical Data

Density 1.48

Spec. Surface 41

Fastness

I 1:3.5 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	7d/7d	7-8/7-8	7-8/8
-------	-------	---------	-------

Weathering	4d/4d	4-5/4-5	4-5/4-5
------------	-------	---------	---------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
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II 1:57 TiO₂



Hostaperm

Red E5B 02

P.V.019

TT



Physical Data

Density 1.47

Spec. Surface 90

Fastness

I 1:4.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	6-7d/6-7d	7/7-8d	7/7-8d
-------	-----------	--------	--------

Weathering	3-4d/3-4d	3-4d/3-4d	3-4/4
------------	-----------	-----------	-------

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4		
--------------	---	--	--

Butanol	4-5		
---------	-----	--	--

MEK	5		
-----	---	--	--

Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
----------	---	--	--

II 1:61 TiO₂



Arrovide

Violet 201

P.V.019

TT



Physical Data

Density 1.49

Spec. Surface 84

Fastness

I 1:5.7 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7d/7d	7/7-8	7/7-8
Weathering	4d/4d	4/4	3-4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	3-4		
Butanol	4-5		
MEK	4-5		
Butyl acetate	5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:67 TiO₂



Hostaperm

Red Violet ER 02

P.V.019

TT



Physical Data

Density 1.49

Spec. Surface 83

Fastness

I 1:6.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	7d/7d	7/7-8	7/7-8
Weathering	4d/4d	4/4	3-4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	3-4		
Butanol	4-5		
MEK	4-5		
Butyl acetate	5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:73 TiO₂



Hostaperm

Violet BL 01

P.V.023

TT



Physical Data

Density 1.50

Spec. Surface 103

Fastness

I 1:19.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	7-8/8	7-8/8
-------	-----	-------	-------

Weathering	4-5/5	4/4	4/4
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4		
---------	---	--	--

MEK	4		
-----	---	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4		
--------	---	--	--

Blooming	O		
----------	---	--	--

Hostaperm

Violet RL Spec 01

P.V.023

TT



Physical Data

Density 1.49

Spec. Surface 80

Fastness

I 1:19.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	7-8/8	7-8/8
-------	-----	-------	-------

Weathering	-/5	-/4	-/4
------------	-----	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	5		
---------	---	--	--

MEK	4		
-----	---	--	--

Butyl acetate			
---------------	--	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

Hostaperm

Violet RL Spec 02

P.V.023



TT



Physical Data

Density	1.36
Spec. Surface	—
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:19.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	7-8/8	7-8/8
Weathering	4-5/5	4/4	4/4

Acid	5
Alkali	5
Heat Stability	160

Overspray 120/160°C	5/5
------------------------	-----

Butyl Glycol	4-5
--------------	-----

Butanol	5
---------	---

MEK	4
-----	---

Butyl acetate	4-5
---------------	-----

White spirit	5
--------------	---

Xylene	4
--------	---

Blooming	O
----------	---

II 1:225 TiO₂



Hostaperm

Violet RL Spec 03

P.V.023



TT



Physical Data

Density	1.49
Spec. Surface	80
Dispersability	3
Dissolver	≈ wb

Fastness

I 1:19.1 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	7-8/8	7-8/8
Weathering	-/5	-/4	-/4
Acid	5		
Alkali	5		
Heat Stability	160		
Overspray 120/160°C	5/5		
Butyl Glycol	4-5		
Butanol	5		
MEK	4		
Butyl acetate			
White spirit	5		
Xylene	4-5		
Blooming	0		

II 1:225 TiO₂



Hostaperm

Violet RL-NF

P.V.023

TT



Physical Data

Density 1.52

Spec. Surface 99

Fastness

I 1:18.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	7-8/8	7-8/8
-------	-----	-------	-------

Weathering	4-5/5	4/4	4/4
------------	-------	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	160		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	2-3		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4-5		
--------	-----	--	--

Blooming	O		
----------	---	--	--

II 1:233 TiO₂



Hostaperm

Blue A4R

P.B.15:1

TT



Physical Data

Density 1.61

Spec. Surface 65

Fastness

I 1:12.6 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	5/5	5/5	5/5
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4-5		
Butanol	5		
MEK	4-5		
Butyl acetate	5		
White spirit	4-5		
Xylene	5		
Blooming	0		

II 1:178 TiO₂



Hostaperm

Blue BT-627-D

P.B.15:2

TT



Physical Data

Density 1.55

Spec. Surface 57

Fastness

I 1:13.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	8/8
-------	-----	-----	-----

Weathering	5/5	5/5	5/5
------------	-----	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4-5		
--------------	-----	--	--

Butanol	4-5		
---------	-----	--	--

MEK	4-5		
-----	-----	--	--

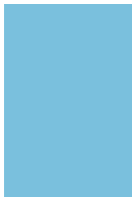
Butyl acetate	4-5		
---------------	-----	--	--

White spirit	5		
--------------	---	--	--

Xylene	4		
--------	---	--	--

Blooming	0		
----------	---	--	--

II 1:78 TiO₂



Hostaperm

Blue BT-728-D

P.B.15:1

TT



Physical Data

Density 1.68

Spec. Surface 86

Fastness

I 1:11 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	8/8
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Weathering	5/5	5/5	5/5
------------	-----	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
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Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	5		
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Butanol	5		
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MEK	5		
-----	---	--	--

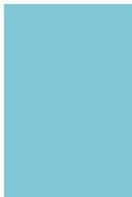
Butyl acetate	5		
---------------	---	--	--

White spirit	5		
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Xylene	5		
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Blooming	0		
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II 1:170 TiO₂



Hostaperm

Blue BT-729-D

P.B.15:1

TT



Physical Data

Density 1.65

Spec. Surface 74

Fastness

I 1:10.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	8/8	8/8
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Weathering	5/5	5/5	5/5
------------	-----	-----	-----

Acid	5		
------	---	--	--

Alkali	5		
--------	---	--	--

Heat Stability	200		
----------------	-----	--	--

Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	5		
--------------	---	--	--

Butanol	5		
---------	---	--	--

MEK	5		
-----	---	--	--

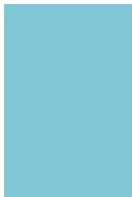
Butyl acetate	5		
---------------	---	--	--

White spirit	5		
--------------	---	--	--

Xylene	5		
--------	---	--	--

Blooming	0		
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II 1:144 TiO₂



Hostaperm

Blue B2G 03

P.B.15:3



TT



Physical Data

Density	1.61
Spec. Surface	44
Dispersability	3
Dissolver	≈ sb

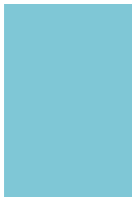
Fastness

I 1:8.4 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	5/5	5/5	5/5
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	5		
Butanol	5		
MEK	4-5		
Butyl acetate	4-5		
White spirit	5		
Xylene	5		
Blooming	0		

II 1:132 TiO₂



Hostaperm

Blue BT-617-D

P.B.15:4

TT



Physical Data

Density 1.62

Spec. Surface 52

Fastness

I 1:9.2 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
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Light	8/8	8/8	8/8
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Weathering	5/5	5/5	5/5
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Acid	5		
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Alkali	5		
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Heat Stability	200		
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Overspray 120/160°C	5/5		
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Butyl Glycol	4-5		
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Butanol	4		
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MEK	5		
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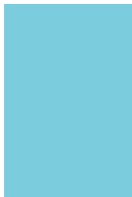
Butyl acetate	5		
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White spirit	5		
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Xylene	5		
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Blooming	0		
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II 1:154 TiO₂



Hostaperm

Green GNX

P.G.007

TT



Physical Data

Density 2.05

Spec. Surface 40

Fastness

I 1:5.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
--	-------------	------------	-------------

Light	8/8	8/8	8/8
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Weathering	5/5	5/5	5/5
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Acid	5		
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Alkali	5		
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Heat Stability	200		
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Overspray 120/160°C	5/5		
------------------------	-----	--	--

Butyl Glycol	4		
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Butanol	5		
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MEK	5		
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Butyl acetate	5		
---------------	---	--	--

White spirit	5		
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Xylene	5		
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Blooming	0		
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II 1:86 TiO₂



Hostaperm

Green GNX 01

P.G.007



TT



Physical Data

Density	2.09
Spec. Surface	—
Dispersability	3
Dissolver	≈ sb

Fastness

I 1:5.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	8/8
Weathering	5/5	5/5	5/5
Acid	5		
Alkali	5		
Heat Stability	200		

II 1:86 TiO₂



Overspray 120/160°C	5/5
Butyl Glycol	4
Butanol	5
MEK	4-5
Butyl acetate	4
White spirit	5
Xylene	5
Blooming	0

Hostaperm

Brown HFR 01

P.Br.025

TT



Physical Data

Density	1.52
Spec. Surface	90

Fastness

I 1:6.3 TiO₂



	VT LL/EL	I LL/EL	II LL/EL
Light	8/8	8/8	7-8/7-8
Weathering	5/5	4-5/4-5	4/4
Acid	5		
Alkali	5		
Heat Stability	200		
Overspray 120/160°C	5/5		
Butyl Glycol	4		
Butanol	4-5		
MEK	3-4		
Butyl acetate	4		
White spirit	4-5		
Xylene	4-5		
Blooming	0		

II 1:66 TiO₂



Carbon

Black A-148-D

P.BK.007

TT

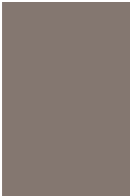


Physical Data

Density	1.59
Spec. Surface	134

Fastness

I 1:10 TiO₂



	VT LL/EL	I LL/EL
Light	8/8	8/8
Weathering	5/5	5/5
Acid	5	
Alkali	5	
Heat Stability	200	
Overspray 120/160°C	5/5	
Butyl Glycol	5	
Butanol	5	
MEK	5	
Butyl acetate	5	
White spirit	5	
Xylene	5	
Blooming	O	



Sudarshan Chemical Industries Limited

Registered Office

Eleven West Panchshil, 7th Floor, Survey No. 25,
Near PAN Card Club Road, Baner, Pune 411069 (India)

Board line: +91-20-68281200

www.sudarshan.com

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