

- 4 NovisfastP
- 10 Novisfast 50
- 12 Novisfast
- 13 Novisbright
- 14 Novantol
- 15 Novasol
- 16 Noviscolor SF
- 17 Noviscolor CU liquidi

Legend

- + = suitable
- +/- = partial suitability
- = unsuitable

Responsibility

All our indications, even if based upon our best knowledges and experiences, are only meant for indicative purposes. Therefore they are not connected to any responsibility or guarantee on the part of Novis S.r.l., not even for issues related to possible patent's violations.

This range has been built up with specific products for the building paints (indoor and outdoor), enamels, industrial paints, automotive paints and powder paints.

Our Novisfast P Range - Organic Powder Pigments - is focused mainly on high performance pigments, widely requested on the market, matching high quality standards with competitive prices.

Two lines of water based pigments dispersions (liquid) are available: Novisfast (standard range) and Novisfast 50 (Voc free)

NovisfastP

ORGANIC PIGMENTS FOR COATING

Novisfast P organic pigments for coatings have been carefully selected for their excellent properties of dispersibility, colour strength development, light and weather fastness.

Novisfast P product portfolio includes classical organic pigment, but also organic pigments with excellent light and weather fastness. These pigments are outlined as '**HPP'** (High Performance Pigments).

Novisfast P product range includes pigments recommended for coatings. However, the list is not all inclusive, other grades could be available to better fit your requirements.

| HPP | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | , | APPLIC | CATION | N | |
|------------------------------|--|---|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| | Yellow G Pigment Yellow 1 | Suitable for air drying alkyd paints Blooming | 7 | 3 | 3-4 | 5 | 5 | 140 | - | + | - | +/- | + | - |
| | Yellow 10G 01 Pigment Yellow 3 | Suitable for air drying alkyd paints Blooming | 7-8 | 4 | 3-4 | 5 | 5 | 140 | - | + | - | +/- | + | - |
| | Yellow 5GX Pigment Yellow 74 | Transparent Blooming | 7 | 4 | 3 | 5 | 5 | 160 | - | + | - | +/- | + | +/- |
| | Yellow 2GXC 01 Pigment Yellow 74 | Good hiding power Blooming | 7-8 | 4 | 3 | 5 | 5 | 140 | - | + | - | +/- | + | +/- |
| | Yellow 10 GH Pigment Yellow 81 | Good solvent fastness | 6-7 | 3-4 | 4-5 | 5 | 5 | 200 | - | + | + | + | + | - |
| | Yellow HR Pigment Yellow 83 | Greenish Transparent Good fastness | 6-7 | 3 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| | Yellow HR 02 Pigment Yellow 83 | Reddish Transparent Good fastness | 6-7 | 3 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| | Yellow HRHC 01 Pigment Yellow 83 | Opaque Good weather fastness in deep shades | 7 | 3-4 | 5 | 5 | 5 | 200 | +/- | + | + | + | + | - |
| | | | | | | | | | | | | | | |

| HPP | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | , | APPLI | CATIO | N | |
|------------------------------|---|--|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| | Yellow HRHC 02 Pigment Yellow 83 | Opaque Good weather fastness in deep shades | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | - |
| НРР | Yellow FGL 01 Pigment Yellow 97 | Good light fastness Good solvent fastness | 7-8 | 4-5 | 5 | 5 | 5 | 180 | - | + | + | + | + | - |
| НРР | Yellow 2TN Pigment Yellow 110 | Transparent Good weather fastness Good heat resistance | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Yellow 3TN Pigment Yellow 110 | Opaque Good weather fastness Good heat resistance | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Yellow LBHC Pigment Yellow 138 | Opaque Good weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | +/- | + | + |
| НРР | Yellow 3R Pigment Yellow 139 | Opaque Excellent weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | +/- | + | + |
| НРР | Yellow 5GN Pigment Yellow 150 | Excellent weather fastness - Suitable for HQ coatings | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Yellow 4GH 01 Pigment Yellow 151 | Opaque - Excellent weather fastness in deep shades | 8 | 5 | 5 | 5 | 3 | 200 | + | + | + | +/- | - | + |
| НРР | Yellow 3GH Pigment Yellow 154 | Excellent weather fastness in pastel shades | 8 | 5 | 5 | 5 | 5 | 160 | + | + | + | + | + | + |
| НРР | Yellow 4GL Pigment Yellow 155 | Good light fastness Good weather fastness | 8 | 4-5 | 5 | 5 | 5 | 180 | - | + | + | + | + | + |
| НРР | Yellow 6GH 01 Pigment Yellow 175 | Good light fastness Good flow | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| | Yellow PCG Pigment Yellow 185 | Suitable only for powder coatings | 6-7 | 2-3 | - | 5 | 3 | 180 | - | - | - | - | - | +/- |
| НРР | Yellow 3GF Pigment Yellow 194 | High colour strength Good flow | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Yellow 3GF 01 Pigment Yellow 194 | Greener High colour strength Good flow | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| | Orange R Pigment Orange 5 | Suitable for airdrying alkyd paints Blooming | 6 | 3 | 3 | 5 | 5 | 160 | - | + | - | - | + | - |
| | Orange G Pigment Orange 13 | Transparent Indoor use | 7 | 3-4 | 4 | 5 | 5 | 180 | - | + | - | + | + | + |
| | | | | | | | | | | | | | | |

| HPP | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | , | APPLI | CATIO | N | |
|------------------------------|---|---|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| | Orange RL Pigment Orange 34 | Transparent Indoor use | 6 | 3 | 5 | 5 | 5 | 200 | - | + | + | +/- | + | + |
| | Orange RLC Pigment Orange 34 | Opaque Good flow | 6-7 | 3-4 | 5 | 5 | 5 | 200 | - | + | + | +/- | + | + |
| НРР | Orange HL Pigment Orange 36 | Transparent Good fastness | 8 | 4-5 | 5 | 5 | 5 | 160 | + | + | + | + | + | + |
| НРР | Orange HLEC Pigment Orange 36 | Opaque - Reddish Excellent weather fastness | 8 | 5 | 5 | 5 | 5 | 160 | + | + | + | + | + | + |
| HPP | Orange HLEC 01 Pigment Orange 36 | Opaque - Yellowish Excellent weather fastness | 8 | 5 | 5 | 5 | 5 | 160 | + | + | + | + | + | + |
| HPP | Orange GL 02 Pigment Orange 43 | Good light fastness in reduced shades | 6-7 | 3 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Orange 5GH 01 Pigment Orange 62 | Opaque Good weather fastness in deep shades | 8 | 5 | 5 | 5 | 5 | 180 | + | + | + | + | + | - |
| HPP | Orange RHF Pigment Orange 73 | High fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| | Red RN Pigment Red 3 | Suitable for airdrying alkyd paints Blooming | 7 | 4 | 2 | 5 | 5 | 180 | - | + | - | + | +/- | - |
| | Red R Pigment Red 4 | Suitable for airdrying alkyd paints Blooming | 6 | 2-3 | 2 | 5 | 5 | 140 | - | + | - | - | +/- | - |
| | Bordeaux R Pigment Red 12 | Suitable for airdrying alkyd paints Blooming | 6 | 2-3 | 2-3 | 5 | 5 | 160 | - | + | +/- | +/- | + | - |
| | Red BBC Pigment Red 48:2 | Suitable for powder coatings | 5 | 2 | 4 | 4-5 | 4-5 | 200 | - | +/- | +/- | - | + | + |
| | Red BBS Pigment Red 48:3 | Suitable for powder coatings | 5 | 2 | 4 | 2-3 | 4 | 200 | - | +/- | +/- | - | - | + |
| | Red BBM 02 Pigment Red 48:4 | Good light fastness in deep shades | 7 | 4 | 5 | 3 | 2 | 160 | - | + | + | - | - | + |
| | Bordeaux CM Pigment Red 52:2 | Good fastness to overpainting | 7 | 4 | 5 | 4 | 4 | 150 | - | + | + | +/- | +/- | - |
| | Red HGR Pigment Red 112 | Good light and weather fastness in deep and medium shades | 7-8 | 4-5 | 3 | 5 | 5 | 180 | - | + | +/- | + | + | - |
| | | | | | | | | | | | | | | |

| HPP | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | | APPLIC | CATION | ١ | |
|------------------------------|-------------------------------------|--|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| | Red HGR 03 Pigment Red 112 | Good light and weather fastness in deep and medium shades | 7-8 | 4-5 | 3 | 5 | 5 | 180 | - | + | +/- | + | + | - |
| НРР | Red FBR Pigment Red 122 | Excellent light and weather fastness | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Red FBR-S Pigment Red 122 | Excellent light and weather fastness | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red BG Pigment Red 149 | Excellent fastness properties - Suitable for powder coatings | 8 | 4 | 4-5 | 5 | 5 | 200 | + | - | - | - | + | + |
| НРР | Red LB Pigment Red 166 | Semi-opaque High light and weather fastness | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red LB 02 Pigment Red 166 | Opaque High light and weather fastness | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Scarlet GO Pigment Red 168 | Excellent light and weather fastness in strong reductions | 8 | 5 | 5 | 5 | 5 | 160 | + | + | + | - | + | - |
| | Red F5RK Pigment Red 170 | Transparent Good light fastness | 6 | 3 | 4 | 5 | 5 | 160 | - | + | + | + | + | + |
| | Red F3RKC Pigment Red 170 | Opaque Excellent light fastness | 7 | 4 | 4 | 5 | 5 | 160 | + | + | + | + | + | + |
| НРР | Red A2B Pigment Red 177 | Transparent Good light fastness in deep shades | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red A3B Pigment Red 177 | Highly transparent Good light fastness in deep shades | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red PBG Pigment Red 179 | Transparent Yellowish - Excellent weather fastness | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red PB Pigment Red 179 | Transparent - Bluish Excellent weather fastness | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Red 3FH Pigment Red 188 | Transparent Good light fastness in deep shades | 7 | 4 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| НРР | Red 3FHC Pigment Red 188 | Opaque Good weather fastness in deep shades | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red EHT Pigment Red 254 | Transparent Excellent light and weather fastness | 7-8 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| | | | | | | | | | | | | | | |

| HPP | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | | APPLIC | CATIO | N | |
|------------------------------|---|--|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| НРР | Red EHF Pigment Red 254 | Opaque Excellent light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Red EH 20 Pigment Red 254 | Excellent light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Magenta R Pigment Red 282 | Opaque Excellent light and weather fastness | 7-8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet 4LGT Pigment Violet 19 | Transparent Yellowish - High light and weatherfastness | 7 | 3-4 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| HPP | Violet 4LR 01 Pigment Violet 19 | Transparent - Bluish High light and weather fastness | 7 | 3-4 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| НРР | Violet 4LR Pigment Violet 19 | Transparent - Bluish High light and weather fastness | 7 | 3-4 | 5 | 5 | 5 | 200 | - | + | + | + | + | + |
| НРР | Violet 4L Pigment Violet 19 | Yellowish High light and weather fastness | 7 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet ER 02 Pigment Violet 19 | Bluish High light and weather fastness | 7 | 4 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet RL Pigment Violet 23 | Reddish High light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet RLS Pigment Violet 23 | Reddish High light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Violet RLB Pigment Violet 23 | Bluish High light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet RLB 02 Pigment Violet 23 | More bluish High light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Violet RLP Pigment Violet 23 | Bluish High light and weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet RST Pigment Violet 23 | Reddish Flocculation stability | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet BST Pigment Violet 23 | Bluish Flocculation stability | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Violet BR Pigment Violet 29 | Excellent light and weather fastness | 8 | 4-5 | 5 | 5 | 4 | 180 | + | - | - | - | + | + |
| | | | | | | | | | | | | | | |

| НРР | NOVISFAST P | COMMENTS | | | FAST | NESS | | | | , | APPLIC | CATIO | N | |
|------------------------------|--------------------------------------|--|-----------------------|------------|--------------|------|--------|-------------------|------------|--------------|----------------|----------------------|----------------------|--------------------|
| HIGH PERFORMANCE PIGMENTS | | | LIGHT (FULL SHADE) | WEATHERING | OVERPAINTING | ACID | ALKALI | HEAT RESIST. (°C) | AUTOMOTIVE | ALKYD PAINTS | BAKING ENAMELS | AMINE CURED EPOXY | WATERBASED PAINTS | POWDER COATINGS |
| | Blue NS Pigment Blue 15 | Alpha Red-shade Unstable | 8 | 5 | 4-5 | 5 | 5 | 200 | - | + | + | + | + | + |
| НРР | Blue R Pigment Blue 15:1 | Alpha Red-shade High fastness | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Blue 2R Pigment Blue 15:2 | Alpha - Red-shade High fastness Flocculation stability | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | +/- | - |
| НРР | Blue G Pigment Blue 15:3 | Beta Yellow-shade High fastness | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Blue GLC Pigment Blue 15:4 | Beta - Yellow-shade High fastness Flocculation stability | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | +/- | - |
| НРР | Blue NL Pigment Blue 15:6 | Epsilon - Red-shade High fastness Flocculation stability | 8 | 5 | 4-5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Blue IB Pigment Blue 60 | Transparent Excellent weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Blue A3R Pigment Blue 60 | Reddish - Transparent Excellent weather fastness | 8 | 4-5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Green G Pigment Green 7 | Excellent fastness | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| НРР | Green 5G Pigment Green 36 | Excellent fastness | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
| HPP | Brown FRH Pigment Brown 25 | Transparent Excellent light and weather fastness | 8 | 5 | 5 | 5 | 5 | 200 | + | + | + | + | + | + |
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Novisfast 50









WATER BASED DISPERSIONS FOR COATING, WOOD AND LEATHER

| NOVISFAST 50 | PIGMENT CONTENT (%) | | FAST | NESS | | | | APPLIC | CATION | | |
|--|------------------------|-----------------------|-------------------------|------|--------|--------|----------------|--------------------|------------------|-------|---------|
| | | LIGHT (FULL SHADE) | WEATHER (FULL SHADE) | ACID | ALKALI | PAINTS | WOOD STAINS | ARTISTS' COLORS | SHOE POLISHES | PAPER | LEATHER |
| Yellow G 50 Pigment Yellow 1 | 45 | 7 | 3 | 5 | 5 | + | + | + | + | + | + |
| Yellow 10G 50 Pigment Yellow 3 | 50 | 7-8 | 4 | 5 | 5 | + | + | + | + | + | + |
| Yellow 2GX 50 Pigment Yellow 74 | 48 | 7-8 | 4 | 5 | 5 | + | + | + | + | + | + |
| Yellow 5GX 50 Pigment Yellow 74 | 40 | 7 | 4 | 5 | 5 | + | + | + | + | + | + |
| Yellow HR 50 Pigment Yellow 83 | 42 | 6-7 | 3 | 5 | 5 | + | + | + | + | + | + |
| Yellow 3GH 50 Pigment Yellow 154 | 32 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| Orange R 50 Pigment Orange 5 | 45 | 6 | 3 | 5 | 5 | + | + | + | + | + | + |
| Orange G 50 Pigment Orange 13 | 35 | 7 | 3-4 | 5 | 5 | + | + | + | + | + | + |
| Orange RL Pigment Orange 34 | 40 | 6 | 3 | 5 | 5 | + | + | + | + | + | + |
| Orange RHF 50 Pigment Orange 73 | 42 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| Red BB 50 Pigment Red 112 | 45 | 7-8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| Pink FB 50 Pigment Red 122 | 32 | 7-8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| Red FRC 50 Pigment Red 146 | 40 | 6-7 | 3-4 | 5 | 5 | + | + | + | + | + | + |
| Scarlet GO 50 Pigment Red 168 | 36 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| Red A3B 50 Pigment Red 177 | 30 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| Red GHF 50 Pigment Red 254 | 50 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| Violet BN 50 Pigment Violet 23 | 30 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |

Novisfast 50 colors are dispersions of selected organic pigments, finely ground and homogeneously dispersed. The color card illustrates the wide product range with relative fastness.

- Advantages:
 High degree of dispersion
 Excellent color strength
- Excellent reproducibility
- Ability to deliver tailored products Tailor Made
- APEO free extremely reduced VOC content.

| | LIGHT (FULL SHADE) | ADE) | | | | | | | | |
|----|--|--|--|--|--|--|--|--|--|--|
| | LIGH (FUL | WEATHER (FULL SHADE) | ACID | ALKALI | PAINTS | WOOD STAINS | ARTISTS' COLORS | SHOE POLISHES | PAPER | LEATHER |
| 45 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| 43 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 45 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 48 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 36 | 8 | 5 | 4 | 4 | + | + | + | + | + | + |
| 65 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 55 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 60 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 65 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 56 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 60 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 55 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 65 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 30 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | 43 45 48 36 65 55 60 65 56 60 55 65 | 45 8 43 8 45 8 48 8 36 8 65 8 60 8 56 8 60 8 55 8 60 8 55 8 65 8 | 45 8 4-5 43 8 5 45 8 5 48 8 5 36 8 5 65 8 5 60 8 5 65 8 5 60 8 5 60 8 5 55 8 5 60 8 5 55 8 5 65 8 5 65 8 5 | 45 8 4-5 5 43 8 5 5 45 8 5 5 48 8 5 5 36 8 5 4 65 8 5 5 55 8 5 5 60 8 5 5 56 8 5 5 60 8 5 5 55 8 5 5 55 8 5 5 65 8 5 5 55 8 5 5 65 8 5 5 65 8 5 5 65 8 5 5 55 8 5 5 65 8 5 5 | 45 8 4-5 5 5 43 8 5 5 5 45 8 5 5 5 48 8 5 5 5 36 8 5 4 4 65 8 5 5 5 55 8 5 5 5 60 8 5 5 5 56 8 5 5 5 50 8 5 5 5 55 8 5 5 5 55 8 5 5 5 55 8 5 5 5 65 8 5 5 5 55 8 5 5 5 65 8 5 5 5 65 8 5 5 5 55 5 5 5 5 65 8 5 5 5 5 6 | 45 8 4-5 5 5 + 43 8 5 5 5 + 45 8 5 5 5 + 48 8 5 5 5 + 36 8 5 4 4 + 65 8 5 5 5 + 55 8 5 5 5 + 60 8 5 5 5 + 65 8 5 5 5 + 60 8 5 5 5 + 60 8 5 5 5 + 55 8 5 5 5 + 65 8 5 5 5 + 65 8 5 5 5 + 65 8 5 5 5 + 65 8 5 5 5 + 65 8 5 5 | 45 8 4-5 5 5 + + + 43 8 5 5 5 + + + 45 8 5 5 5 + | 45 8 4-5 5 5 + | 45 8 4-5 5 5 + | 45 8 4-5 5 5 + |

Novisfast

WATER BASED DISPERSIONS FOR COATING, WOOD AND LEATHER

Novisfast colors are dispersions of organic and inorganic pigments in water. The color card illustrates the wide product range with relative fastness.

Advantages

- High degree of dispersion
- Excellent color strength
- Excellent reproducibility
- Ability to deliver tailored products Tailor Made

| CONTENT (%) | | | NESS | | | | APPLIC | ATION | | |
|-------------|--|--|--|--|---|--|--|--|--|--|
| | LIGHT (FULL SHADE) | WEATHER (FULL SHADE) | ACID | ALKALI | PAINTS | WOOD STAINS | ARTISTS' COLORS | SHOE POLISHES | PAPER | LEATHER |
| 50 | 7-8 | 4 | 5 | 5 | + | + | + | + | + | + |
| 40 | 7 | 4 | 5 | 5 | + | + | + | + | + | + |
| 47 | 7-8 | 4 | 5 | 5 | + | + | + | + | + | + |
| 40 | 7 | 3 | 5 | 5 | + | + | + | + | + | + |
| 35 | 6-7 | 3 | 5 | 5 | + | + | + | + | + | + |
| 25 | 6 | 3 | 5 | 5 | + | + | + | + | + | + |
| 33 | 6 | 3 | 5 | 5 | + | + | + | + | + | + |
| 42 | 7-8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| 30 | 7-8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| 37 | 5-6 | 3 | 5 | 5 | + | + | + | + | + | + |
| 28 | 7-8 | 4 | 5 | 5 | + | + | + | + | + | + |
| 30 | 8 | 4-5 | 5 | 5 | + | + | + | + | + | + |
| 45 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 50 | 8 | 5 | 5 | 5 | + | + | + | + | + | + |
| 36 | 8 | 5 | 4 | 4 | + | + | + | + | + | + |
| 42 | 8 | 5 | 4 | 4 | + | + | + | + | + | + |
| | 40 47 40 35 25 33 42 30 37 28 30 45 50 36 | 50 7-8 40 7 47 7-8 40 7 35 6-7 25 6 33 6 42 7-8 30 7-8 37 5-6 28 7-8 30 8 45 8 50 8 36 8 | 50 7-8 4 40 7 4 47 7-8 4 40 7 3 35 6-7 3 25 6 3 33 6 3 42 7-8 4-5 30 7-8 4-5 37 5-6 3 28 7-8 4 30 8 4-5 45 8 5 50 8 5 36 8 5 | 50 7-8 4 5 40 7 4 5 47 7-8 4 5 40 7 3 5 35 6-7 3 5 25 6 3 5 33 6 3 5 42 7-8 4-5 5 30 7-8 4-5 5 37 5-6 3 5 28 7-8 4 5 30 8 4-5 5 45 8 5 5 50 8 5 5 36 8 5 4 | 50 7-8 4 5 5 40 7 4 5 5 47 7-8 4 5 5 40 7 3 5 5 35 6-7 3 5 5 25 6 3 5 5 33 6 3 5 5 33 6 3 5 5 42 7-8 4-5 5 5 30 7-8 4-5 5 5 37 5-6 3 5 5 28 7-8 4 5 5 30 8 4-5 5 5 45 8 5 5 5 50 8 5 5 5 36 8 5 4 4 | 50 7-8 4 5 5 + 40 7 4 5 5 + 47 7-8 4 5 5 + 40 7 3 5 5 + 40 7 3 5 5 + 35 6-7 3 5 5 + 25 6 3 5 5 + 33 6 3 5 5 + 42 7-8 4-5 5 5 + 30 7-8 4-5 5 5 + 37 5-6 3 5 5 + 30 8 4-5 5 5 + 30 8 4-5 5 5 + 45 8 5 5 5 + 45 8 5 5 5 + 50 8 5 5 5 + 45 5 5 | 50 7-8 4 5 5 + + 40 7 4 5 5 + + 47 7-8 4 5 5 + + 40 7 3 5 5 + + 40 7 3 5 5 + + 35 6-7 3 5 5 + + 25 6 3 5 5 + + 33 6 3 5 5 + + 42 7-8 4-5 5 5 + + 30 7-8 4-5 5 5 + + 37 5-6 3 5 5 + + 30 8 4-5 5 5 + + 30 8 4-5 5 5 + + 45 8 5 5 5 + + 45 8 5 < | 50 7-8 4 5 5 + | 50 7-8 4 5 5 + | 50 7-8 4 5 5 + |

Novisbright

METAL-COMPLEX SOLVENT DYES

Novisbright dyes are metal-complex solvent dyes carefully selected for their properties of excellent brightness and solubility.

Novisbright dyes exhibit generally a good solubility in the most common organic solvents joined to a good light fastness.

Novisbright dyes are suitable for coloring flexographic printing inks, writing inks, wood stains, solvent-based paints, leather finishing products, and other systems based on polarsolvents.

| NOVISBRIGHT | C.I. | LIGHT FASTNESS (FULL SHADE) | | SOLUBII | LITY (G/L) | |
|---------------|--------------------|--------------------------------|------------------|------------------|------------------------|-----|
| | | | Ethyl Alcohol | Ethyl Acetate | Methyl-Ethyl Ketone | PM |
| Yellow 5G | Solvent Yellow 79 | 7-8 | 190 | 500 | 500 | 240 |
| Yellow 4G | Solvent Yellow 146 | 4 | 700 | < 50 | < 50 | - |
| Yellow 3G | Solvent Yellow 21 | 6-7 | 280 | 480 | 500 | 220 |
| Yellow G | Solvent Yellow 82 | 6-7 | 260 | 460 | 500 | 300 |
| Orange G | Solvent Orange 54 | 6-7 | 230 | 500 | 500 | 180 |
| Orange R | Solvent Orange 62 | 6-7 | 230 | 150 | 500 | 190 |
| Red 4G | Solvent Red 122 | 6-7 | 220 | 400 | 500 | 250 |
| Red 2G | Solvent Red 122 | 6-7 | 140 | 320 | 500 | 240 |
| Fire Red 3GLS | Solvent Red 124 | 4-5 | 10 | 20 | 300 | 340 |
| Fire Red G | Solvent Red 89 | 6-7 | <50 | <50 | 300 | 350 |
| Fire Red F | Solvent Red 119 | 3 | 10 | 10 | 500 | 300 |
| Red BB | Solvent Red 8 | 6-7 | 180 | 300 | 500 | 330 |
| Pink 5B | Solvent Red 127 | 2 | 150 | <10 | <10 | 50 |
| Pink 7B | Solvent Red 218 | 4 | 180 | <10 | 200 | 30 |
| Blue 2G | Solvent Blue 70 | 5-6 | 90 | 15 | 450 | 210 |
| Blue B | Solvent Blue 136 | 6-7 | 500 | < 50 | 250 | - |
| Blue 2R | Solvent Blue 45 | 2 | <10 | <10 | 200 | 50 |
| Black GRX | Solvent Black 27 | 6-7 | 20 | 40 | 400 | 300 |
| | | | | | | |

Novantol

METAL-COMPLEX DYES

Novantol liquid dyes are concentrated dye solutions of Acid, metal-complex and direct dyes in water/solvent mixture. They are manufactured through a specific production process and not by simple dissolution.

Novantol liquid dyes can be diluted both in water and water/solvent mixture. They are optimized for use in water-based and water-containing wood stains.

All Novantol liquid dyes show good overall fastness properties. Remarkable are good light fastness and good overcoating fastness, even with solvent-based paints.

Application:

Novantol are particularly suitable for wood painting. They stand for easy usage, low viscosity, quick drying, non-flammability, ultrafine liquid.

| NOVANTOL LIQ. | CHEMICAL NATURE | C.I. | DYE CONTENT | LIGHT FASTNESS |
|---------------|--------------------|-----------------|-------------|----------------|
| | | | | |
| Yellow N010 | Quinoline | Acid Yellow 3 | 15-25% | 4-5 |
| Yellow N020 | Azo 1:2 Co complex | Acid Yellow 204 | 25-35% | 7 |
| Brown N030 | Azo 1:2 Cr complex | Acid Brown 355 | 25-35% | 6-7 |
| Orange N040 | Azo 1:2 Cr complex | Acid Orange 142 | 15-25% | 6-7 |
| Red N050 | Azo 1:2 Cr complex | Acid Red 357 | 25-35% | 6-7 |
| Bordeaux N060 | Azo 1:2 Cr complex | Acid Violet 90 | 25-35% | 4-5 |
| Blue N070 | Cu Phthalocyanine | Direct Blue 199 | 15-25% | 7-8 |
| Black N080 | Azo 1:2 Cr complex | Acid Black 194 | 15-25% | 6-7 |
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Novasol

METAL-COMPLEX SOLVENT DYES

Advantages:

- Strict controls over raw materials and finished products provide best results in quality
- Wide range of dyes with brilliant shades for inks and foils
- Excellent solubility in Ethanol, MEK, Butyl Cellosolve, Ethoxy/Methoxy-Propanol and other aromatics solvents
- Low metals content according EN 71 and absence of aromatic amines
- Long storage time without precipitation
- High heat stability

Applications

- printing inks (flexographic, gravure and offset)
- inkjet inks (certain products)
- stationary inks
- solvent-based wood stains
- paints, industrial paints, automotive and other solvent based paints
- printing on aluminiumfoil
- metallized polyesterfilms
- leatherfinishes
- shoe polishes

Novasol solvent metal-complex dyes were selected according to our knowledge and experience. Excellent solubility was the main characteristic of **Novasol** dyes.

Wood stains

Several of our dyes are against Clariant's Savinyl and Orasol's Ciba series. These dyes are used extensively for manufacturing solvent-based wood stains and in fact, Clariant and Ciba have stopped manufacturing this range of dyes. Our products are at par regards to the tone and strength and in fact have better solubility than the Savinyl and Orasol.

Paints and Coatings

All our products are used for manufacturing solvent-based paints and coatings for several applications. Use of solvent dyes is advantageous owing to the high solubility in required solvents which in turn provides very high storage stability.

Shoe polishes

A few selected products are available in liquid form. These are mainly used for liquid shoe polishes.

NOVASOL Black RLI (Solvent Black 29)

Solvent Black 29 is manufactured on a regular basis. This product finds its major application in inkjet inks manufacturing. Due to high sensitivity of piezo inkjet machines, no other solvent dyes can be used for inks production. Solvent Black 29 has very high solubility in most of the solvents and virtually nil insoluble content.

| NOVASOL | C.I. | | | SOLUI | BILITY | | |
|---------------|-------------------|-----|---------|---------|--------|--------------------|-----------------|
| | | MEK | Acetone | Ethanol | MIBK | Cyclo- hexanone | Ethyl Glycol |
| Black RLI | Solvent Black 29 | 500 | 500 | 500 | 450 | 250 | 350 |
| Black RLSN | Solvent Black 45 | 350 | 500 | 300 | 250 | 100 | 300 |
| Black RE | Solvent Black 27 | 300 | 300 | 250 | 200 | 100 | 100 |
| Red 2BL | Solvent Red 132 | 450 | 400 | 250 | 200 | 300 | 150 |
| Red 2BLSE | Solvent Red 122 | 400 | 350 | 250 | 200 | 350 | 150 |
| Red 3BLSE | Solvent Red 91 | 300 | 250 | 250 | 200 | 300 | 250 |
| Fire Red GLS | Solvent Red 89 | 120 | 100 | 80 | 50 | 150 | 100 |
| Orange RL | Solvent Orange 62 | 150 | 180 | 150 | 100 | 200 | 100 |
| Orange R | Solvent Orange 99 | 250 | 250 | 200 | 200 | 250 | 150 |
| Yellow 2RLS | Solvent Yellow 62 | 150 | 200 | 100 | 150 | 80 | 150 |
| Yellow R | Solvent Yellow 82 | 300 | 300 | 250 | 250 | 400 | 300 |
| Brown GLS | Mixture | 150 | 200 | 150 | 150 | 100 | 150 |
| Brown RL | Solvent Brown 43 | 100 | 170 | 80 | - | 100 | - |
| Blue 2GLN | Solvent Blue 48 | 350 | - | 250 | - | - | - |
| Dark Violet R | - | 250 | 250 | 120 | 150 | 250 | 150 |
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Noviscolor SF

METAL-COMPLEX DYES

Noviscolor SF dyes are acid metal-complex and direct dyes in powder form, virtually 'salt-free'.

Noviscolor SF dyes are highly soluble both in water and in organic solvents, and show a good light fastness. Usual application is for colouration of water-based wood stains. Other applications could be in leather, textiles, paper, ink-jet inks.

Other dyes not included in **Noviscolor SF** product range, can be supplied in 'salt-free' powder form on request.

| NOVISCOLOR SF | C.I. | LIGHT FASTNESS |
|------------------|------------------|----------------|
| | | |
| Yellow 2G-SF | Acid Yellow 17 | 7 |
| Yellow 4GL-SF | Acid Yellow 166 | 6-7 |
| Yellow 2R-SF | Acid Yellow 220 | 7-8 |
| Orange 2RL-SF | Acid Orange 60 | 6-7 |
| Orange RL-SF | Acid Orange 142 | 6-7 |
| Orange R-SF | Acid Orange 144 | 6-7 |
| Orange S2R-SF | Acid Orange 154 | 6 |
| Red 3G-SF | Acid Red 357 | 6-7 |
| Violet MB-SF | Acid Violet 90 | 6 |
| Blue MTR-SF | Acid Blue 193 | 7 |
| Brown GR-SF | Acid Brown 282 | 6-7 |
| Brown MBL-SF | Acid Brown 355 | 6-7 |
| Black SRL-SF | Acid Black 194 | 5 |
| Black NT-SF | Acid Black 210 | 5-6 |
| Red 4BN-SF | Direct Red 239 | 4 |
| Scarlet 4B-SF | Direct Red 254 | 2-3 |
| Turquoise FBL-SF | Direct Blue 199 | 6 |
| Black G-SF | Direct Black 19 | 3-4 |
| Black HEF-SF | Direct Black 168 | 5 |

Noviscolor CUliquid

METAL-COMPLEX DYES

Advantages:

Noviscolor CU liquid dyes are manufactured in a solvent mixture through a specific process and not simply dissolved. This gives our dyes a very high storage stability. **Noviscolor CU liquid** dyes are ready-to-use dye solutions. It avoids tedious steps of dissolving the dye, filtration, removing salts and choosing of right solvent combination. Dyes can be diluted with both solvents and water. All dyes in this range are miscible with each other, hence providing flexible colour matching.

Noviscolor CU liquid dyes shows good fastness properties on leather, with an excellent resistance to water droplets.

Noviscolor CU liquid dyes are concentrated dye solutions of metal-complex dyes manufactured through a specific chemical process and not by simple dissolution. This gives our dyes very high storage stability.

Noviscolor CU liquid dyes can be diluted with solvents as well as water.

All dyes are miscible with each other, providing flexible colour matching.

Applications: colouring and finishing of leather, wood stains and coatings.

Application:

Noviscolor CU liquid dyes can be diluted with both solvents and water. However, if hard water is used following problems can occur:

- solubility and compatibility problems
- salts formation in the solution

To prevent this it is recommended that diluted dye solutions are prepared by first diluting with appropriate solvents and then by using only demineralized water. Water-miscible volatile solvents or high boiling point solvents like glycol ethers are recommended for diluting the dye. Amount of dilution has to be decided according to shade and intensity of the required colour.

Noviscolor CU liquid dyes can be used for finishing or colouring any kind of leather, by spray dyeing or by dyeing and shading water-based finishes and lacquers for coated leather.

| NOVISCOLOR CU LIQUID | RUB FA | RUB FASTNESS | | FASTNESS | | |
|-----------------------|--------|--------------|----------------|---------------|-------|--|
| | Dry | Wet | Water Spotting | PVC Migration | Light | |
| Black PR Liquid | 5 | 4-5 | 4 | 1 | 4 | |
| Black PS Liquid | 5 | 4 | 4 | 1-2 | 4-5 | |
| Yellow PR Liquid | 5 | 3-4 | 4 | 1 | 3-4 | |
| Yellow PG Liquid | 5 | 3-4 | 3 | 1 | 4 | |
| Red Brown PR Liquid | 5 | 4 | 4 | 1-2 | 4 | |
| Orange PR Liquid | 5 | 4 | 3 | 1 | 3 | |
| Light Brown PG Liquid | 5 | 3-4 | 3 | 1-2 | 4 | |
| Brown PB Liquid | 5 | 4 | 4 | 1 | 4-5 | |
| Dark Brown PR Liquid | 5 | 4 | 4 | 1 | 4-5 | |
| Royal Blue PR Liquid | 4-5 | 3-4 | 4 | 1 | 3-4 | |
| Cherry Red PG Liquid | 5 | 3-4 | 4 | 1 | 4 | |
| Rubine PB Liquid | 5 | 3-4 | 3 | 2-3 | 3-4 | |
| Red PB Liquid | 5 | 4 | 4 | 1 | 4 | |
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