

# Coating®

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# NOVIS

SPECIALISTS  
IN INDUSTRIAL COLORATION

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#### 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)

**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.

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# Novisfast 50

WATER BASED DISPERSIONS FOR COATING,  
WOOD AND LEATHER



Regione Toscana  
Dinamici Valori Innovazione Sostenibilità



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

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

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

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

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

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

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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 aluminium foil
- metallized polyester films
- leather finishes
- 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.	SOLUBILITY					
		MEK	Acetone	Ethanol	MIBK	Cyclo-hexanone	Ethyl Glycol
<b>Black RLI</b>	Solvent Black 29	500	500	500	450	250	350
<b>Black RLSN</b>	Solvent Black 45	350	500	300	250	100	300
<b>Black RE</b>	Solvent Black 27	300	300	250	200	100	100
<b>Red 2BL</b>	Solvent Red 132	450	400	250	200	300	150
<b>Red 2BLSE</b>	Solvent Red 122	400	350	250	200	350	150
<b>Red 3BLSE</b>	Solvent Red 91	300	250	250	200	300	250
<b>Fire Red GLS</b>	Solvent Red 89	120	100	80	50	150	100
<b>Orange RL</b>	Solvent Orange 62	150	180	150	100	200	100
<b>Orange R</b>	Solvent Orange 99	250	250	200	200	250	150
<b>Yellow 2RLS</b>	Solvent Yellow 62	150	200	100	150	80	150
<b>Yellow R</b>	Solvent Yellow 82	300	300	250	250	400	300
<b>Brown GLS</b>	Mixture	150	200	150	150	100	150
<b>Brown RL</b>	Solvent Brown 43	100	170	80	-	100	-
<b>Blue 2GLN</b>	Solvent Blue 48	350	-	250	-	-	-
<b>Dark Violet R</b>	-	250	250	120	150	250	150



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

# Noviscolor CU liquid

## 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 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







**NOVIS**

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