

CS-980 colorants – set F (Technical Specification 2316-001-49630959-02)

Purpose

CS-980 colorants are used for computer tinting of water-based and alkyd (after preliminary testing) paints to receive the required color of the coating. The quality of the coating and its resistance to negative factors depends on the properties of the materials used.

Special conditions

Coloring pastes should be applied after testing for compatibility with the base material (Rub-Out test). The quality of the coating depends on: the preparation of the painted surface, the quality of paint, the technology.

Composition

- pigment;
- water;
- filler;
- propylene glycol;
- special additives.

Specifications

| | |
|--|----------------------|
| Appearance | Color viscous liquid |
| Brookfield viscosity, cP, 25°C, spindle 4, speed 100 | 350 – 4000 |
| Particle size (not more), μm | 20 |
| Freeze thaw resistance, cycles | 5 |
| pH value | 7,5 – 11,5 |

Packaging

Plastic containers: 1l.

Storage conditions

Store the colorants away from heat devices at temperature not below +5°C in a tightly sealed container of manufacturer. Kept for at least five cycles of freezing. Properties are fully restored after thawing and mixing.

Warranty period of storage

Depending on the color of the pigment paste. For CS.C, CS.F, CS.K, CS.V - 24 months from the date of manufacture. For other pigment pastes - 60 months from the date of manufacture.

Terms of transportation

It is allowed to transport the pigment paste in the original container by all the types of transport in conditions that exclude the influence of atmospheric factors (covered vans, wagons, etc.) at a temperature of ±50°C. Duration of transportation at temperatures below 0 °C should not exceed 1 month. The product does not apply to dangerous goods. Exception code is not required.

Recycling

Container and unused residues are disposed as household waste. Do not discharge into drains/surface waters/groundwater.

Safety

Pigment pastes are fire and explosion proof, does not burn, is not subject to thermal decomposition. To protect the skin of hands, use gloves made of polymeric materials (rubber, latex, polyethylene). In case of contact with eyes or skin, rinse immediately with water. After the end of work, wash the containers and tools with water.

Certificates

Registration certificate №RU.18.VL.04.008.E.000010.02.14 (04/02/2014)

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| Code | Color | Pigment | Pigment content, % | Specific gravity ¹ , g/cm ³ | Resistance to ² | | | | | | Application | |
|-------------------|------------------------|---------|--------------------|---|----------------------------|--------------------|--------------------|-----------------|------|--------|-------------|---------|
| | | | | | Light (full shade) | Light (tint shade) | Weather | Temperature, °C | Acid | Alkali | | Solvent |
| Inorganic pigment | | | | | | | | | | | | |
| CS.C | Yellow oxide | PY 42 | 41 | 1,650 | 7-8 | 7-8 | 5 | 160 | 4 | 3-4 | 5 | •••• |
| CS.F | Red oxide | PR 101 | 40 | 1,680 | 7-8 | 7-8 | 5 | 220 | 4-5 | 4 | 5 | •••• |
| CS.V | Brown | MIX | 42 | 1,830 | 7-8 | 7-8 | 5 | 200 | 4 | 4 | 5 | •••• |
| CS.K | White | PW 6 | 51 | 1,850 | 8 | 8 | 5 | 200 | 5 | 5 | 5 | •••• |
| Organic pigment | | | | | | | | | | | | |
| CS.XS | Lemon light-resistant | PY 138 | 15 | 1,380 | 7-8 | 7-8 | 4-5 | 250 | 5 | 5 | 4-5 | ••• |
| CS.AN | Yellow light-resistant | PY 74 | 40 | 1,165 | 7-8 | 6-7 | 4-5 | 140 | 5 | 5 | 3-4 | ••• |
| CS.OS | Orange light-resistant | PO 73 | 12 | 1,150 | 7-8 | 7-8 | 5 | 200 | 4-5 | 4-5 | 5 | ••• |
| CS.QS | Red light-resistant | PR 254 | 18 | 1,155 | 7-8 | 7-8 | 4-5 | 220 | 5 | 5 | 3-5 | ••• |
| CS.P | Purple | PR 122 | 12 | 1,120 | 7-8 | 7-8 | 3-4 d ³ | 200 | 5 | 5 | 3-5 | ••• |
| CS.D | Green | PG 7 | 40 | 1,400 | 8 | 7-8 | 4-5 d ³ | 290 | 5 | 5 | 5 | ••• |
| CS.DL | Emerald | PG 7 | 6,5 | 1,200 | 8 | 7-8 | 4-5 d ³ | 290 | 5 | 5 | 5 | ••• |
| CS.ER | Brue R | PB 15:1 | 2,5 | 1,445 | 7-8 | 7-8 | 4-5 | 270 | 5 | 5 | 5 | ••• |
| CS.EG | Blue G | PB 15:3 | 38 | 1,150 | 7-8 | 7 | 5 | 280 | 5 | 5 | 5 | ••• |
| CS.N | Violet | PV 23 | 12 | 1,150 | 7-8 | 7 | 5 | 140 | 5 | 5 | 4-5 | ••• |
| CS.B | Gray | PBk 7 | 6 | 1,400 | 8 | 8 | 5 | 200 | 5 | 5 | 5 | ••• |
| CS.BK | Black concentrated | PBk 7 | 33 | 1,200 | 8 | 8 | 5 | 200 | 5 | 5 | 5 | ••• |

• Interior • Exterior • High pH level

Resistance of pigments to various influences measured on the following scales:

-Light fastness is measured on an eight step blue scale (ISO 105-B01), where 1 – poor light fastness, 8 – excellent light fastness;

-Weather resistance is measured on a five step gray scale (ISO 20105-A02), where 1 – poor weather resistance, 5 – excellent weather resistance;

-Resistance to acids, alkalis and solvents is measured on a five step gray scale (ISO 20105-A02), where 1 – poor resistance, 5 – excellent resistance.

¹ – Specific gravity of pigment pastes may vary depending on the batch (±3%).

² – The data about resistance to various influences is obtained from pigment suppliers. The weather resistance of the painted coating significantly depends on the material being tinted, the quality of the coating itself, compliance with the painting and application technology, and the intensity of solar radiation in the region where the coating is used.

³ – “d” means the possibility of darkening of the coating due to weathering.

We recommend to use only pigment pastes containing inorganic pigments in high alkaline environments and in exterior silicate or silicone based products.

In connection with the further development of technology and product improvement, we reserve the right to make any changes without prior notice.