

Vulmaquacolor-Paint



ENVIRONMENTALLY
FRIENDLY PRODUCT



WATER-BASED COATING



HEALTHY – ELIMINATION OF HARMFUL
EFFECTS ON HUMAN HEALTH

Product description:

Vulmaquacolor-Paint is water soluble, dispersion paint, primarily designed and developed for road traffic signs in cities, outside the cities, but also in the traffic playgrounds. It has a longer life than solvent-based paints; it is resistant to oil products as well as to soluble detergents.

Use:

Vulmaquacolor-Paint is used for road traffic signs, and even on concrete and asphalt surfaces. The surface must be cleaned of the usual impurities, such as mud and dust.

Benefits:

- good toning, allowing various shades, according to customer requirements
- dries quickly
- does not smell, which facilitates its handling
- high resistance to abrasion, does not lose elasticity

Product data:

colour:	white, yellow, red and other, as required
appearance:	matte
shelf life:	12 months in original packaging in dry conditions at the temperature of 5 – 35 °C

Physical data:

solids content:	75,20 %
density:	1,735 g/ml
drying time:	4 – 12 min. (at 22 °C and 56 % relative humidity)

colour and visibility during the day:

colour coordination:	x: 0,3184
	y: 0,3385
	Y: 90,15
	Qd = 318 mcd/m ² .1x

visibility at night:	Qd = 283 mcd/m ² .1x
	250 g/m ² 100 – 600 SWAR (glass beads)

roughness, SRT:	55
viscosity:	116 sec (Mp-4, at 20 °C)
wet layer thickness:	0,5 mm
dry layer thickness:	0,35 mm

Theoretical capacity:

3 – 4 m²/kg according to the thickness of coating

Processing temperature:

minimum temperature of primer and air:	5 °C
maximum temperature of the substrate:	50 °C
ideal temperature for processing:	20 – 32 °C
maximum relative air humidity:	85 %

Application methods:

spray

Instructions for use:

Preparation of the device

Vulmaquacolor-Paint can be used in conventional devices, however, it is necessary to strictly comply with the following procedure:

1. Rinse the device with the originally used cleaner (solvent) until the escaping liquid becomes reasonably clean. Focus primarily on filters and drains, especially those must be cleaned carefully.
2. Use a sufficient amount of methyl ethyl ketone (MEK) and repeat step 1. MEK must circulate at least 5 minutes for sufficient absorption of the solvent.
3. Repeat step 2, this time with a isopropanol or ethanol filling. Circulation time remains unchanged.
4. Rinse with clean water for at least 5 minutes, or as long as you feel the smell of alcohol in water.

Thus purified device is ready for use of the dispersible, water-soluble **Vulmaquacolor-Paint**.

Dilution:

Vulmaquacolor-Paint does not need to be diluted. It is usable in the processed state. In case of high temperature applications, where appropriate, you may add a small amount of water, but no more than 10%.

Application:

Apply by spraying in the same way as other road marking paints. In case you apply **Vulmaquacolor-Paint** on a small area, i.e. for example at the traffic playgrounds near schools, it can be applied by a brush or a roller. In that case two layers are recommended.

Substrate:

The surface must be cleaned of the usual impurities, such as mud and dust.

Time data for application:

drying time: 4 – 12 minutes, depending on weather conditions and the thickness of the layer.

Cleaning of tools:

Paint residue on the tool – while in the liquid state – is easy to clean with water. In general, cleaning of the tank, or a spray gun is not a problem, if we prevent the paint to dry in ducts and nozzles or feeding pipes. These actions must be performed daily and it is necessary to fix all the openings as to prevent the penetration of air and internal drying of paint.

If the paint dries completely, use MEK or acetone, which dissolves the paint until it becomes removable. We do not recommend the use of solvents to clean rubber and plastic hoses, because they may result in damage. If the ducts are heavily polluted, use a mixture of 40% of water, 40% of isopropanol, 10% of ammonia and 10% of liquid soap. Daily rinsing of spray guns with clean water is sufficient, nevertheless, for thorough cleaning it is still recommended to use a mixture of 50% ethanol and 50% water. If you stop using the gun for more than 1 minute, it is necessary to rinse the nozzle. If the paint dries, it can be cleaned with a solvent.

Resistance:

- resists abrasion and does not lose elasticity
- resistant to petroleum products and soluble detergents

Safety:

Vulmaquacolor-Paint – when handling, proceed in accordance with the general safety measures, follow the safety instructions on the packaging labels and on safety data sheets. Data, specifications, directions and recommendations given in this technical data sheet are based on experience gained in modeling of supposed ways of applications, or under specially defined conditions. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by the user. The manufacturer and distributor are not responsible for the results achieved, loss, direct or consequential damages arising from failure to comply with the recommended use of the product, which go beyond the conditions herein.