ADINGMARKER

Acrylic paint for marking concrete and asphalt surfaces

FIELD OF APPLICATION

Adingmarker is used for road marking, as well as for decorative and protective floor and wall finishing of concrete, mortar and asphalt surfaces exposed to weather impacts and light mechanical load, such as floorings of warehouses, garages, industrial facilities, sports and recreational grounds, facade finishing of rendered surfaces, plinths of buildings, etc.

PROPERTIES

- good adhesion to substrate;
- non-toxic – solvent-free;
- resistant to salt solutions and mineral oils;
- resistant to bacteria;
- watertight;
- weatherproof;
- wear-and-tear resistant;
- UV stable;
- available in several RAL colours;
- easy and quick to apply;
- easy to maintain.

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	coloured coating
Density	EN ISO 2811-1	1.5-1.55g/cm³
Adhesion to substrate	EN 1542	≥ 2,0MPa
Coating elasticity	MKC.3.C2.240	No cracks or detachment
Dry-to-touch time at temperature of 20°C	EN ISO 9117	30-35min
Hardening time at temperature of 20°C	EN ISO 9117	6-8h
Time interval between two layers at temperature of 20°C	-	8h
Substrate and air temperature during application	-	5-35˚C

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate should be strong, dry, clean, grease-free and dust-free, without presence of condensate and with maximum humidity of 7%. The optimum temperature of the substrate on which the coating is going to be applied should range between 5°C and 35°C, at relative air humidity of 70%.

Asphalt substrate

The asphalt on which the coating is to be applied should be sound, dry, clean and dust-free. Dusting of the substrate should be carried out by applying air under pressure.

New concrete substrate

Concrete should be at least 28 days old with minimum compressive strength of 25 MPa. Laitance, mortar residues, paint stains and oil stains should be removed by mechanical or chemical means. In the end, the substrate should be dusted by using an industrial vacuum cleaner.

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Old concrete substrate

A sound and clean substrate is the main pre-condition for achieving excellent adhesion properties. Similar to the new concrete substrate, laitance removal should be carried out mechanically. The grease and dirt penetrated in the substrate should be removed with detergents or special preparations for that purpose. If there is any damage to the substrate, it should be repaired by using the appropriate materials for rehabilitation.

Substrate with an existing coating

Adingmarker may be applied on substrates which already have a coating, provided that the existing coating is strong enough and stable. In these substrates, prior to the application of the new coating, it is mandatory to test the adhesion properties between the existing coating and the substrate in order to establish whether these coats can be an appropriate substrate for the new coating. If the adhesion is weak, it is mandatory that the old coats of paint be mechanically removed. If the adhesion of the existing paint coats to the substrate is good, it is recommended that the surface of these coats should be treated with sandpaper and dusted by applying a dry procedure, and then to prepare test areas for the new coat of paint to be applied.

APPLICATION

Before applying Adingmarker, the substrate that is to be treated should be covered with Primer V, 30 minutes (at temperature of 20°C) before applying the finishing with Adingmarker. At the same time, it may not be allowed for the substrate to get completely dry before applying the finish. The primer should be applied by using a brush or a paint roller, or mechanically by using an airless sprayer. In substrates with greater porosity, it may be necessary to reapply primer. Adingmarker should be applied in 2 to 3 layers and each layer should have a dry film thickness of 150- 200µ. For the application of the first layer, Adingmarker should be diluted with 10% clean water and they should be slowly mixed together until a completely uniform mixture is obtained. When diluting the material, attention should be paid for the quantity that is going to be diluted to match the necessary quantity for application of one layer on the surface that is intended to be covered. The second and the third layer should be prepared by diluting the material up to 5%. The time interval between the rounds of application of the different layers at temperature of 20°C should be 8 hours. The treated surfaces should be protected from strong draught, rain, ice and dust for a period of 24-48 hours following the application. The temperature of the substrate during application should be above 5°C.

Mechanical application by using an airless sprayer:

- pressure (150-200) bars
- spraying angle: perpendicular to the substrate and at a distance of 20-40cm

CONSUMPTION

for two layers 0.4-0.5 kg/m²
for three layers 0.5-0.6 kg/m²

CLEANING

The tools and equipment should be cleaned with water immediately after use.

PACKAGING

Adingmarker – in plastic buckets of 5 kg and 25 kg
Primer V – in a 1 kg plastic bottle and a 5 kg and 20 kg plastic bucket

STORAGE

In the original packaging, at temperature between 5°C and 35°C, and protected from exposure to direct sunlight. Shelf life: 12 months.

STANDARD COLOURS

RAL1018; RAL1023; RAL3016; RAL3020; RAL5012; RAL6010; RAL7032; RAL7035; RAL7044; RAL7045; RAL9003; RAL9004.

Note: The remaining RAL colours are available upon request for orders of at least 90 kg.

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Health hazard: Avoid contact of product with skin (use protective gloves). The material is not toxic, but in case of sudden contact, in case of contamination of skin surfaces, they should be immediately wash with soap and water. If the material bursts in the eyes, it is necessary to immediately rinse with plenty of water and apply medical assistance.
Fire: Adingmarker is a non-flammable liquid.
Cleaning and disposal: Unbound Adingmarker residues are cleaned with water. Old used packaging needs to be disposed of in accordance with local regulations and regulations for that type of waste. We recommend the method of application and the required quantities to be adjusted to the conditions of the facility, as well as the mandatory application of appropriate protective equipment. Additional information is provided in the Product Safety Data Sheet.

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