MAJSTERPOL
MANUFACTURER OF CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

MAJSTERFARBA SILICONE PAINT

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MAJSTERFARBA SILICONE PAINT

INTENDED USE

The silicone paint is based on the organosilicon dispersion. Transport of water vapour is possible due to the microporous structure of the silicone paint coating. The paint is not absorbable thereby has a reduced ability to get dirty. The coating is hydrophobic due to the presence of silicone polymers and siloxane polymers. It is intended for performing decorative, restoration and preservation paint coating on external surfaces of the buildings. On the painted surface, it creates a matt coating of high resistance to abrasion and changing weather conditions. The product contains a coating biocide, which significantly reduces the risk of biological aggression on the formed coating. It is suitable for new surfaces as well as for restoration of existing coating of the same type.

SURFACE PREPARATION

The surface should be bearing, smooth, dry and clean, without cracks, cleaned from anti-adhesive coatings (such as dirt, grease, dust, and bitumen) and free of any biological or chemical aggression. Remove surface of poor adhesion, non-adhering plasters and paint coatings. Absorptive surfaces should be primed with MajsterGrunt Universal Primer or MajsterGrunt Deep-penetrating Primer. The drying time of the applied preparation is at least 24h in optimal weather conditions (relative humidity 60% and temperature of the air +20°C).

Painting of new mineral surfaces (such as concrete, cement plasters and cement-lime plasters, thin-layer mineral plasters, polymer-mineral plasters) can start (as well as priming) not earlier than 4 weeks after the surface preparation. Thin-layer acrylic and silicone plasters can be painted not earlier than 3 days of the application.

PRODUCT PREPARATION

The package contains ready for use product. Prior to use, the whole bag content should be stirred thoroughly with a mixer or low-speed drill with a basket mixer or blade stirrer until uniform consistency is obtained. Dilute with a small amount of clean water if necessary (up to 5% of the packaging volume). Add the same amount of water to each package.

APPLICATION INSTRUCTIONS

The paint should be applied with a brush or roller twice on the prepared and dried surface. Allow the first coat of paint to dry. Additional layer of the paint may be necessary as intense colours with high colour saturation, due to their nature, are not always fully opaque. The drying time is at least 3h in optimal conditions (relative humidity 60% and temperature of the air +20°C). Apply a second layer after the first one completely dries up. The coating is fully cured while drying in optimal conditions and after 24h of application. The paint achieves all technical specification after 24 days of application. Improper surface preparation can, in extreme cases, reduce the durability of the paint, and even peeling off the paint.

RECOMMENDATIONS

The process of paint preparation, application and drying should take place in dry weather at surface and ambient temperature from +5°C to +25°C. Painting work should be performed on surfaces not exposed to direct sunlight. Low temperature, increased humidity, improper ventilation and the rough surface structure significantly extends drying time. Protect applied paint against precipitation and temperatures below +5°C until it dries up completely. Perform the works continuously using a „wet on wet" method on an elevation fragment that constitutes a distinct whole with a material from one production batch. Work breaks should be planned in advance and should be done in elevation fragment where planned overlaps will be barely visible. Improper application can lead to permanent colour differences of painted surfaces.

NOTES

Paints consist of natural fillers, dolomite and marble aggregates, which shade may vary depending on the bed. When ordering additional quantity of the product and to minimize the shade differences, we recommend indicating the production date and batch number that can be found on the label. During colour selection please make in mind that the same colour can differ in shade in natural and artificial light. Differences also result from differences in perception of colours presented in the colour palette and on a large surface area of the facade. When planning facade colours follow the information contained in light reflectance value template (LRV index). This value determines the amount of light that is reflected from a surface of the paint. This has a significant influence on the painted surface temperature and surface deformability. Thus, it is not recommended to use colours with LRV less than 25% on large continuous surfaces, as this may lead to cracks. The use of such colours should be limited to small fragments of the facade, architectural details, etc. Paints may differ in density due to different base (bright, dark) and the amount of pigments used.

Most colours are obtained by using inorganic pigments

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which have a very high resistance to UV radiation. However, some colours require use of organic pigments, which because of their nature, degrade faster when influenced by weather conditions and UV radiation.

CONSUMPTION

Consumption depends on the application method and the type, absorbency and structure of the surface. It is recommended to make a test on a surface in order to determine the exact product consumption. For double-painting the consumption ranges from 0,2 to 0,3 l/m2 depending on the surface.

STORAGE AND TRANSPORT CONDITIONS

Store in a tightly closed packaging at temperatures between +5°C and +25°C. Protect from excessive heat and frost. Shelf life is 12 months from the manufacture date found on the packaging.

PACKAGING

Bucket: 12 kg, 24 kg

COMPOSITION

MajsterFarba Silicone paint consists of acrylic copolymer dispersion, silicone dispersion, mineral fillers, pigments and auxiliary agents (wetting and dispersing agents, thickeners, biocides, etc.).

TECHNICAL SPECIFICATION

Application and surface temperature: from +5°C to +25°C
Bulk density: ca. 1,55 g/cm3

Colours: compliant with the Majster-Pol colour palette. Other colours are available on request.

This product is a component of the External Thermal Insulation Composite System ETICS MAJSTER –POL (The European Technical Assessment ETA-11/0183, The ETA Certificate no. 1020-CPD-010-028352) and MAJSTER-POL MINERAL (The European Technical Assessment ETA 14/0238, CPR Certificate no. 1020 – CPR – 010034205). The Declaration of Performance no. MP/FAR-SN/2015. The Hygienic Certificate of the National Institute of Hygiene no. HK/B/0366/01/2014. The product is complient with EN 1504-2:2004 „Products and systems for the protection and repair of concrete structures" (EC certificate No.1020-CPR-010025032).

Information provided in the Technical Data Sheet is to ensure an optimal use of the product, but does not give rise to liability of the Manufacturer, because the use conditions are beyond his control. Work should be carried out in accordance with the construction work code of practice. Any change in product composition is unacceptable and can significantly diminish the quality of the material. In the case of mixing the products with those of other manufacturers, Majster-Pol does not take responsibility for the product quality.

With the publication of this Technical Data Sheet all previous versions are no longer valid

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