

# TECHNICAL DATA SHEET

## MAJSTERTYNK - SI-SI PITTED PLASTER



## INTENDED USE

The silicate-silicone plaster is based on the organosilicon dispersion, potassium silicate solution and the aqueous dispersion of styrene-acrylic resin. The product combines the best properties of silicate and silicone plasters. It is a "breathable and self-cleaning" plaster. It creates a durable outer layer which is permeable to water vapour, resistant to weather conditions, and highly hydrophobic. Highly valuable silicate properties significantly enhance plaster properties such as better resistance to dirt, UV radiation, wind, precipitation and temperature fluctuations. Transport of water vapour and gases is possible due to the microporous structure of the coating. The coating is hydrophobic due to the presence of silicone polymers and siloxane polymers. The product contains a coating biocide, which significantly reduces the risk of biological aggression on the formed plaster coating. It is intended for performing decorative and protective thin-layered plasters on exterior walls. It is suitable for new surfaces as well as for renovation of old buildings.

## 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. Prior to the silicate-silicone plaster application, the surface should be primed with MajsterGrunt Silicone Plaster Primer. Allow at least 24h drying time for primer prior to plaster application.

Priming of new mineral surfaces (such as concrete, cement plasters and cement-lime plasters) can start not earlier than 4 weeks after the surface preparation. MAJSTER-POL MINERAL used in jointless thermal insulation of outer walls ETICS can be used on the layer reinforced with mesh 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 1% of the packaging volume). Add the same amount of water to each package to ensure the color uniformity of the plastered element.

## APPLICATION INSTRUCTIONS

Apply the prepared plaster mass on a surface as a thin,

even layer using a smooth stainless steel trowel. Then, using the same trowel, remove the excess mass, leaving a layer that matches the thickness of the aggregate used in the mass. The designed texture can be obtained by floating the surface with a plastic trowel. This should be performed by evenly applying the plaster on the whole surface of elevation in longitudinal motions (vertical or horizontal) and slightly pressing with the trowel.

## RECOMMENDATIONS

The process of plaster preparation, application and binding should take place in dry weather at temperature from +10°C to +25°C. Do not apply during strong wind, direct sunlight, rainfall unless scaffolding is secured (protective netting). These conditions should be maintained for min. 3 days from the application. Do not allow the temperature to drop below +10°C. Plaster drying time may change due to adverse weather conditions, in such cases scaffolding protection should be used until the plaster dries completely. Failure to follow these recommendations or improper surface preparation can lead to permanent color differences on the plaster surface (efflorescence, discoloration), in extreme cases, reduce its durability and even detachment. 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. Prevent fragments with unevenly distributed mass (tears, clumps), because these defects cannot be removed after plaster binding.

## NOTES

Plasters consist of natural fillers, dolomite and marble aggregates, which shade may vary depending on the bed. Mineral aggregates contained in the plaster may sometimes cause a few darker inclusions that do not influence the durability and is not a plaster defect. 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 plaster. This has a significant influence on the plastered 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. Plasters may differ in density and consistency due to different amount of pigments used.

Most colours are obtained by using inorganic pigments 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 quality of the prepared surface, its smoothness, absorption capacity and experience of the contractor.

Aggregate granulation „pitted”	Consumption (kg/m <sup>2</sup> )
1,5 mm	2,3 – 2,7
2,0 mm	2,8 – 3,2
2,5 mm	3,3 – 3,7
3,0 mm	3,8 – 4,2

## 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: 25 kg

## COMPOSITION

MajsterTynk SI-SI Pitted Plaster is a plastic mass based on silicone resin emulsion and aqueous dispersion of styrene-acrylic resin, potassium silicate solution with mineral fillers, modifying additives, hydrophobising agent, pigments and preservatives.

## TECHNICAL SPECIFICATION

Application and surface temperature: from +10°C to +25°C

Bulk density: ca. 1,9 g/cm<sup>3</sup>

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 MINERAL (The European Technical Assessment ETA 14/0238, CPR Certificate no. 1020 – CPR – 010034205). The Declaration of Performance no. MP/SISI-B-K/2015. The Hygienic Certificate of the National Institute of Hygiene no. HK/B/0515/04/2014

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**