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ROBUST
SOLUTIONS

PASSIVEHOUSE[®]



MS POLYMER

TECHNICAL DATA

PLANT

MS POLYMER, which dries and forms a waterproof insulation layer on the surfaces it is applied to, is a polymer-based, single-component waterproofing product.

APPLICATION AREAS

- ▶ Insulation of terrace roofs and balconies.
- ▶ In curtain insulation and membrane joint repairs.
- ▶ In metal roofs, wood.
- ▶ On problematic bituminous insulations made in the past.
- ▶ In asphalt and concrete floors.
- ▶ In water insulation under ceramics, in wet areas (bathroom, WC, shower, kitchen, etc.).
- ▶ As a water insulation layer in prefabricated concrete, painted sheet metal, galvanized sheet metal, CTP water channels.
- ▶ Can be used on exterior facades.

PRODUCT FEATURES

- ▶ It has high adhesion to the ground.
- ▶ It does not break, crack and swell and lift off the surface.
- ▶ It is easy to apply.
- ▶ It is ready to use, it is not diluted.
- ▶ It shows high defense resistance against corrosion and chemicals.
- ▶ It gives a shiny appearance to the surface.
- ▶ It is resistant to acid, petroleum products, water and solvents.
- ▶ It has high mechanical strength against abrasion and impacts.
- ▶ It is not affected by fungi and bacteria.
- ▶ It is not affected by UV rays.
- ▶ It is resistant to salt water, grease and petrol and also impermeable.
- ▶ It can fill the pores on the surfaces it is applied to and create a barrier against moisture coming from below.



SURFACE PREPARATION BEFORE APPLICATION

- ▶ The surfaces to be applied should be dry or slightly damp.
- ▶ The surfaces should be clean, solid, free of carrier and free particles.
- ▶ In open environments such as terraces, corners should be chamfered horizontally or vertically at a 45° angle and made ready for insulation.
- ▶ Layers that will reduce adhesion such as oil, grease, dirt, paint, cement grout, rust, mold, salt efflorescence should be completely cleaned before application.
- ▶ After the surface is ready, primer application should be started.

APPLICATION

- ▶ The surfaces to be applied are primed with a single coat by diluting the product itself with %50 MS Polymer.
- ▶ MS Polymer application is started no later than 8 hours after the primer application.
- ▶ Application should be made with a roller or brush in 2 coats on surfaces where the ground has been prepared.
- ▶ The application of each coat should be perpendicular to the previous one and should be completed in one go.
- ▶ In order for the sealing to be healthy, chamfering should be done where necessary on horizontal or vertical parts.
- ▶ 5 to 10 hours should be waited between coats. Drying time may be longer in low temperatures and high humidity environments.

WARNINGS AND PRECAUTIONS

- ▶ It should not be applied to wet and frozen surfaces.
- ▶ Pay attention to the safety signs and warnings indicated on the packaging.
- ▶ Adequate ventilation should be provided in workshops, open flames and high heat should be avoided.
- ▶ Mix well before application. Do not leave the lid of the packaging open.
- ▶ Avoid application in weather conditions where rain is expected or under rain.
- ▶ Contact with skin, eyes and mouth should be avoided and the application should be carried out by taking the necessary work safety measures.
- ▶ Avoid application at temperatures below +10°C and above +30°C, do not try to use frozen material by adding water.

TECHNICAL SPECIFICATION

Chemical Structure	MS polymer
Application Temperature	+10°C to +30°C
Water vapor transfer rate	1,50 - 2,0 mm
Application Thickness	Brush-roller-airless gun
Application Tools	(23°C) 5-10 hours
New Coatability Time	(23°C) 24-48 hours
Full Drying Time	1.2kg-1.5kg/m ²
Average Consumption	≤0.1 kg/m ² .h0.5
Water Transfer Rate	≥0.8 N/mm ²
Adhesion Strength Pull-Out	<5 M

PACKAGING AND CONSUMPTION

- ▶ MS Polymer is offered in a bucket as 10 kg to 18 kg liquid ready to use, it is not diluted.
- ▶ Grey, white, brick, RAL colors are produced.
- ▶ The consumption rate varies according to the application technique and the absorbency of the surface.
- ▶ A controlled sample is recommended for exact consumption.
- ▶ The specified rates are theoretical standards and may vary depending on the application method and usage intensity.

STORAGE

- ▶ In its original packaging, it should be stacked up to 4 times.
- ▶ It should be stored in a closed area.
- ▶ Necessary precautions should be taken against water, humidity, frost and severe weather conditions.
- ▶ It should be stored on a pallet and in a dry place between +10°C and +25°C.
- ▶ Punctured, opened and burst buckets should be closed or used immediately.
- ▶ If the specified storage conditions are followed, the storage life is 12 months.

