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POLYWAP 9205 MICRO SEALER PU 150 – 1K TECHNICAL SPECIFICATIONS

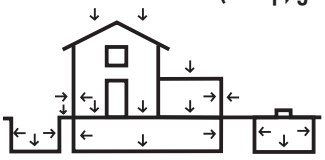
SINGLE COMPONENT, POLYURETHANE BASED SURFACE PRIMER

DESCRIPTION FOR IT

It is a single component, low viscosity, polyurethane based primer containing 50% solvent. It is designed for use on various types of substrates and in diverse locations. A key feature of POLYWAP 9205 MICRO SEALER PU 150 1K is its very low viscosity and balanced curing rate. Consequently, it perfectly coats and impregnates in a seamless and homogeneous manner virtually any type of surface, whether porous (regardless of the degree of porosity) or non porous (such as glass or metal). A delay in applying the main coating does not cause issues. Serving as a cost effective and efficient waterproofing material that enhances substrate durability, it can be applied to dry, damp, or even green (fresh) concrete. The cured film exhibits superior mechanical properties, featuring an elongation of over 300% and a tensile strength well above 30 N/mm².

AREAS OF USE

Concrete structures (damp, green, or wet concrete) and non porous substrates such as ceramic tiles, glass, marble, and metal.



APPLICATION SURFACES

Suitable for application on interior and exterior surfaces such as concrete, stone, plaster, screed, metal, ceramic tiles, glass, and marble

ADVANTAGES

It is a single component, low viscosity product. It can be easily applied to all types of surfaces, including green or wet concrete. It adheres strongly even to vitreous, non porous substrates. It perfectly coats and impregnates the surface, forming a seamless and homogeneous layer. Delays in applying the main coat do not cause issues. It is elastic. A wide range of color pastes (pigments) is available. It offers a cost effective solution for concrete sealing and protection. The cured film exhibits superior mechanical properties: elongation exceeds 300%, and tensile strength is well above 30 N/mm².

APPLICATION CONDITIONS

Application should not be carried out in very hot or rainy weather. The ambient temperature during application must be between +5°C and +35°C. It should not be applied to surfaces that are thawing or frozen, or to surfaces at risk of freezing within 24 hours. Old mineral surfaces that are dusting or crumbling must be repaired prior to application.

TOOLS USED

Brush ,roller

SURFACE PREPARATION

The surface should be cleaned using high pressure water if possible; oil, grease, fuel, and paraffin residues must be removed, and the surface must be completely cleared of form release agents, cement residues, wood chips, loose particles, and cured membranes. For surface imperfections, the use of sand-blasted POLYWAP 9205 MICRO SEALER-PU 150 is recommended.

APPLICATION

Apply using a brush or roller. Once cured, you can proceed with the application of the main membrane.

CONSUMPTION

Depending on the porosity of the substrate, 100–200 g/m².

CLEANING

After cleaning the tools and equipment with paper towels, wipe them with solvent. The brushes cannot be reused.

PACKAGING

6 Kg steel bucket - 16 Kg steel bucket - 200 Kg steel barrel.

SERVICE LIFE

Our product should be used as soon as possible after the packaging is opened.

STORAGE AND SHELF LIFE

The shelf life is 12 months from the date of manufacture, provided the product is stored in a dry, moisture free environment away from direct sunlight and the packaging remains undamaged and unopened. Packaging must be protected from freezing temperatures and excessive heat. Pallets must not be stacked on top of each other during transport and storage.

STANDARD

EN 1504-2:2004 CE Certificate

TECHNICAL SPECIFICATIONS

IN A LIQUID STATE (BEFORE APPLICATION)

QUALIFICATION	BİRİM	METHOD	FEATURE
Viscosity (Brookfield)	cP	ASTM D2196-86 25°C	50
Specific gravity	gr/cm3	ASTM D1475 / DIN 53217 20°C	0,98

IN A HARDENED STATE (AFTER APPLICATION)

QUALIFICATION	BİRİM	METHOD	FEATURE
Tensile strength at 23 °C	Kg/cm2	ASTM D412 / EN-ISO-527-3	300
Elongation at 23 °C	%	ASTM D412 / EN-ISO-527-3	> 300
Application of the main membrane	Hour	-	12-24
Adhesion to cement	mPa	ASTM D1640	> 4

WARNINGS AND RECOMMENDATIONS

Under no circumstances should foreign substances be added to the mixture. Care must be taken to clean the tools used immediately after application. The product contains volatile, flammable solvents. Work should be carried out in well ventilated, non smoking areas and away from open flames. In enclosed spaces, a ventilation fan must be used, and a mask with a carbon filter must be worn. It should be noted that solvents are heavier than air and therefore accumulate near the floor.

SAFETY WARNINGS

Always use appropriate safety equipment, such as masks, gloves, and goggles. Protect your eyes and face. Avoid contact with eyes and skin. In case of eye contact, rinse immediately with plenty of water and consult a specialist. Read the Material Safety Data Sheet for detailed safety information. Although the product does not contain volatile substances, ensuring adequate ventilation in enclosed spaces is strongly recommended. Additionally, methane gas seeping from the ground may accumulate inside the tanks; precautions should always be taken with this possibility in mind.

LEGAL DISCLAIMER

İZOFALT Insulation Construction Textile Ind. And Trade Ltd. Co. İs not responsible for application errors that may occur if the product is used for purposes other than intended or if the above conditions are not complied with.