izofalt yalıtım

Date of revision: June 26 2026
Revision number: 003

POLYWAP 9556 SHIELD PU CRYSTAL 50 1 - K TECHNICAL SPECIFICATIONS

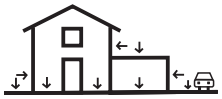
SINGLE COMPONENT, POLYURETHANE BASED, TOPCOAT WATERPROOFING COATING

DESCRIPTION FOR IT

It is a single component, pure elastomeric polyurethane based, 100% aliphatic liquid topcoat waterproofing membrane that offers exceptional chemical and mechanical resistance. It cures upon exposure to atmospheric moisture. It forms a transparent film by bonding seamlessly and continuously across the entire surface. Being aliphatic, it does not yellow when directly exposed to sunlight. Its formulation is based on a pure elastomeric, hydrophobic polyurethane resin that provides the material with excellent resistance against uv radiation, as well as chemical, mechanical, thermal, and environmental factors.

AREAS OF USE

It is used as a final insulating coating on construction materials such as stone, marble, brick, and wood; on metals such as iron, steel, and aluminum, on door and window components and on wooden floors and furniture.



ADVANTAGES

Cures rapidly. Adheres strongly to the entire surface. Offers excellent heat and uv resistance; does not yellow, peel, or soften at temperatures up to 80°C. Demonstrates superior resistance to chemicals and mechanical stress (high tensile and abrasion strength).

APPLICATION CONDITIONS

The relative humidity of the air must not exceed 80%, and the application temperature (ambient and surface) must be between +3°C and +35°C. For outdoor applications, there must be no rain 24 hours prior to, during, and 24 hours after the application. The substrate temperature must be at least 3°C above the current dew point temperature. (Please request the ambient temperature/humidity/dew point chart from our company.) It is not recommended for unsound substrates. It should not be applied in thick layers.

TOOLS USED

Hand mixer, grout pump, brush, roller.

SURFACE PREPARATION

The surface should be cleaned preferably using pressurized water to remove oil, grease, fuel, and paraffin residues; it must also be completely cleared of form release agents, cement residues, wood chips, loose particles, and cured membranes. Glassy or glazed substrates must be abraded or primed with POLYWAP PRIMER. Please contact our technical department for further information regarding the primer. The surface to be treated must be dry. When intended for use as a topcoat, it should be tinted with a maximum of 10% pigment paste to preserve the color of the underlying coating.When intended for use as a topcoat over flooring materials, epoxy/polyurethane paints, or self leveling systems, it should be applied within 24 hours of the base coat application, again tinted with a maximum of 10% pigment paste.

MIXING

Ensure that no air bubbles form while mixing or pigmenting the material; otherwise, bubbles may remain on the cured membrane. It can be mixed using a low speed mixer (300 rpm).

APPLICATION

Apply one or two coats using a brush, roller, or airless spray machine. The interval between coats should not exceed 48 hours. For unpigmented applications, consider whether the underlying layer or surface is resistant to uv radiation and take the necessary measures accordingly

CONSUMPTION

Apply two coats, with a minimum consumption of 0.1 kg/m² per coat.

TOOLS CLEANING

Clean the tools and equipment first with a paper towel, then wipe them with solvent. The rollers cannot be reused.

PACKAGING

4-liter – 15-liter metal bucket.

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

WARNINGS AND RECOMMENDATIONS

Only the product's own liquid should be used when preparing the mixture; absolutely no foreign substances should be added. Furthermore, methane gas seeping from the soil may have accumulated inside the tanks. Precautions must be taken with this possibility always in mind.

SAFETY WARNINGS

Ensure adequate ventilation and implement health precautions when using in enclosed spaces. Do not leave the container lid open. Do not expose to direct sunlight or heat. Keep out of reach of children. 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. Refer to the Material Safety Data Sheet for detailed safety information.

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.

Beşiri Road 12th km Organized Industrial Zone 5th Street No:1 Batman/TÜRKİYE Telephone: +90 506 568 68 36 - +90 537 257 42 56