ACRYLIC SEALANT PU HYBRID

Elastic and energy upgrade hybrid coating for roofs

02.2026 V.04

Excellent quality, water based, elastic, hybrid coating for roof sealing. It is based on new technology acrylic and polyurethane resins. It stands for its great resistance to outdoor weather conditions, its long lifetime, and its high resistance to standing water. It shows great adhesion on well-prepared surfaces such as concrete, cement mortars, roof tiles and follows their contractions and expansions. The product has cool material properties with good values of solar reflection, and it contributes to the thermal comfort and energy saving. It contains special additives that prevent the growth of microorganisms in the film material. Ideal for absolute water insulation and waterproofing of terraces, joints, walls etc.

Stir well before use

Coverage:
1-1,5 m²/lt

Drying time:
Between 2 to 4 hrs.

Thinning
with water at a percentage of 15% by volume

Paint:
Roller

Paint:
Brush

Product Characteristics

- High quality waterproofing
- High resistance to stagnant water
- Single sealing film without joints or seams
- Building Protection
- Easy to use for local maintenance and repair
- High resistance to outdoor weather
- Long life
- Excellent flexibility
- Cool material properties

Shades

Available in white and in Grey-Terracotta-Ochre through the tinting system of Berling

Packaging:

0.75lt
3lt
10lt

The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

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Technical Specifications

V.O.C	40gr/lt (Maximum Volatile Organic Compounds content ready for use).
Density	1,30 ± 0,03gr /cm^3 (ISO 2811) (for white).
Viscosity	120-125 K.U., 25^{o}C (ASTM D562) (for white).
pH	7,8-8,8
Suggested coverage	1,0 – 1,5 m^2 /lt depending on the type of the surface and the application method.
Elongation	> 350 % (ASTM D2370).
SR -Solar Reflection	82% (ASTM G 159-98).
Drying	Touch dry 2-4 hours, depending on weather conditions. Through dry after at least 48 hours (These times may be elongated depending on temperature and humidity conditions).
Recoating	After 12 hours depending on weather conditions. (These times may be elongated depending on temperature and humidity conditions).
Final cure	The product acquires its final properties in 7 days after the final coating and in normal conditions of temperature and humidity.
Thinning	Thinned with water at a percentage of 15% by volume.

ACCORDING TO 2004/42/EK

Phase II, Subcategory c, exterior walls of mineral substrate, V.O.C content limit value = 40gr/lt, Maximum V.O.C. Content = 40gr/lt (thinned, ready to use), Thinning: up to 15% by volume with water.

Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.

Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and googles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use. **For further information ask for the Safety Data Sheet of the product.**

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Recommended application systems

Old and New surfaces

- **Special Instructions**

This is a protective product. Its efficacy as well as its service life and operation, as well as all protection systems, depend directly on the preparation and the quality of the substrate, the correct application, and the total thickness of the coating. Laboratory measurements of the product have been carried out on smooth, properly prepared, stabilized surfaces. If the surfaces are very rough and roughness cannot be reduced mechanically, then the amount of material to be coated must be differentiated, and consumption will also increase. Also, if the surfaces have high absorbency, it should be reduced with the appropriate primer in 1 or more coatings. If a mesh is to be used, then one more coating is necessary. Any cracks and other abnormalities on the surface must first be repaired before applying the product. If for some of the above reasons we must apply larger quantity of material, it should be done with more coatings and not with the same number of coatings but with higher amounts of the material. Each coating should be left to dry properly before the next one is followed. The product has a high resistance to stagnant water but prolonged immersion in water can cause problems.

- **New surfaces**

Primer	Prime with Berling Nanoprimer following its application instructions. In case of new surface with high absorptivity, it is recommended to make a surface absorbance reduction test.	**BERLING NANOPRIMER** 1 coat
Final coating	For a uniform and impressive result apply 2 coatings, the first thinned up to 10% by volume with water and the second up to 5% by volume with water, -applied crosswise.	**ACRYLIC SEALANT HYBRID** 2 coats

- **Old surfaces**

Primer	Prime with Berling Nanoprimer following its application instructions.	**BERLING NANOPRIMER** 1 coat
Final coating	For a uniform and impressive result apply 2 coatings, the first thinned up to 10% by volume with water and the second up to 5% by volume with water, -applied crosswise.	**ACRYLIC SEALANT HYBRID** 2 coats

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