



مصنع أنقى
Anqa Factory

ANQA HYBO PU

PU Modified With Acrylic, Water-based Waterproof Coating



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DESCRIPTION:

ANQA Hybo PU is one component, water-based, modified polyurethane/acrylic. It produces a seamless, elastic membrane coat for roofs waterproofing and protection.

ADVANTAGES:

- Ready-mixed, single-component
- Excellent adhesion on various surfaces
- UV resistant
- Excellent crack bridging
- Highly durable and easy to apply by brush, roller or airless spray gun.

APPLICATION AREAS:

- Exposed roofs, balconies and decks.
- Wet areas, kitchens and bathrooms (under tiles).
- Basements and retaining walls.
- Bridge platforms.
- Internal and external applications.
- Applicable for concrete, wood, metal, gypsum boards and bituminous surfaces.

APPLICATION PROCEDURE:

Surface preparation: All the surfaces must be cleaned and made free of dust, dirt, moss, oil, grease and other loose particles. This can be achieved by grit/sand/shot blasting. At a minimum, vigorous wire brushing should be used. Repair all pinholes and surface defects using a suitable Anqacrete concrete repair mortar.

Priming: Anqa Hybo PU does not require priming and can be applied directly onto the concrete surface. In the case of a highly porous surface, a priming coat is recommended to seal the pores and stabilize the surface. The primer coat can be prepared on-site by diluting Anqa Hybo PU 1:1 with water.. Apply the primer coat @ 5m²/L and allow to dry.

Mixing: Anqa Hybo PU is a single component product but mix the contents of the pail thoroughly prior to application to remove any sediment. A slow-speed drill and a suitable paddle mixer should be used to prevent air bubble formation.

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Application: The coating can be applied with a brush, roller or airless spray and must be applied in a minimum of 2 coats. The first coat must be allowed to dry before the second coat is applied. The second coat must be applied crosswise to the first coat. The coating fully cures in 7 days.

Corner detailing: It is recommended to reinforce all corners with compatible sealing strip. The sealing strip shall be embedded into the first coat while it is still wet and covered fully with the second coat.

Tool Cleaning: All tools should be washed and cleaned immediately after use with clean water. Once cured, the material can only be removed mechanically.

CONSUMPTION:

Approx. 1.2 kg/m² for two coats at 500-micron thickness.

HEALTH & SAFETY:

Skin and Eye contact: Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

Flammability: Nonflammable materials,
Nonhazardous when dried, but materials can burn

SHELF LIFE:

12 months for unopened containers. Use older stock first.

PACKING:

20 kg pail per pallet.

TECHNICAL PROPERTIES

Color	Grey, white and black
Specific Gravity	1.25 ± 0.05
Solid Content	50 ± 2% by volume 60 ± 2 by weight
Tensile Strength: ASTM D412, Die C	> 2 MPa @23°C
Elongation: ASTM D412, Die C	>400%
Shore A Hardness: ASTM D2240	60 ± 5
Water Permeability: DIN 1048 (5 bar)	Nil
Adhesion to Concrete: ASTM D4541	> 1.9 MPa
Crack Bridging: ASTM C1305	3 mm @ 23°C
Service Temperature	-5 to +70°C