

Description

Two-component, aliphatic polyurethane-based, UV resistant, highly elastic and mechanically durable gloss topcoat material.

Fields of Application

- On Tecnica 3120 WP aliphatic polyurethane based waterproofing membrane applied surfaces, like roofs, balconies, terraces etc.
- It serves as a topcoat material in systems where durability against challenging atmospheric conditions such as industrial and coastal environments is required, and where permanent color and gloss are desired.
- Protection of concrete constructions like bridges, etc.

Properties

- Can be walked on.
- Elastic.
- UV resistant, non-yellowing and permanently elastic.
- Maintains its color for a long time.
- Gives a glossy and easy-to-clean surface.
- Resistant to water and frost.
- Maintains its mechanical properties at a temperature span of -30°C to +90°C.
- Easy to apply (by brush, roller or airless spray).

Preparation of Substrate

- The substrate must be sound, dry, clean and free of any contaminants like dirt, oils, dust etc. that may prevent good adhesion. The surface must be cleaned from all materials like existing coating prior to application.
- Surface preparation, including sanding or similar mechanical surface abrasion processes, should be carried out where necessary, and all surfaces should be thoroughly cleaned from dust using industrial vacuum equipment.

Application

- Tecnica 3150 WP topcoat is applied 24 hours after the application of Tecnica 3120 WP.
- Tecnica 3150 WP should be thoroughly mixed before use.
- It should be applied in one or two coats using a brush, roller, or airless spray.
- A waiting period of 3-4 hours (maximum 6 hours) should be observed between the two coats.

Post-Application Protection & Suggestions

- Tecnica 3150 WP should be applied by trained and experienced professionals.
- Smoking should be avoided during application, and work should be conducted in well-ventilated areas, away from naked flames.
- During application, hands and eyes should be protected with gloves and safety goggles.
- Tecnica 3150 WP applied surfaces should be protected from mechanical damages for at least 24 hours. Fresh surfaces should be protected from water, dew and similar external factors, dust, dirt and solvents.
- The reaction speed is influenced by the temperature of the ambient and the building structure; higher temperatures accelerate, lower temperatures slow down the reaction.
- If Tecnica 3150 WP is applied indoors, a suitable ventilation system should be used.
- Do not apply in extremely hot, rainy, windy weather.
- Do not apply on damp, wet or frozen surfaces.
- Necessary precautions should be taken in areas where water or water vapor is observed from the negative side.
- Before application, the moisture and adhesion of the substrate should be checked, and the dew point should be determined.

Storage

- The product should be stored in its original unopened undamaged packaging, in a clean and dry place, between +5°C and +25°C, and should not be exposed to direct sunlight.
- Protect from water, frost and severe weather conditions.
- Shelf life is maximum 12 months when stored in the original sealed packaging.

Packaging

- Component A : 15 kg tin pail
- Component B : 3 kg tin pail.

Technical Properties

(25 °C and %50 RH)

General Data

Appearance	White and Gray
Shelf Life	12 months when stored in the original packaging
Mixing Ratio (A/B)	15 kg / 3 kg
Density	~ 1.15 ± 0.02 g/ml
Drying Time	1.5 hours
Full Cure Mechanical Strength	7 days
Pot Life (20 °C)	6 hours
Consumption (for 1 mm thickness)	250 - 500 gr/m ² (Depending on surface absorbency and application method, in a single coat)

Performance Data

Elongation at Break (DIN 53455)	> 100%
Tensile Strength at Break (DIN 53455)	> 2 N/mm ²
Adhesion to Concrete (DIN EN 24624)	≥ 1 N/mm ²
Results of 2000-hour accelerated aging test (DIN EN ISO 4892-3)	400 MJ/m ²
Maintaining Gloss (DIN 67530)	Very good
Surface chalking (DIN EN ISO 4628-6)	No chalkiness observed

Application Data

Temperature	+5 °C / +35 °C
Max. surface moisture	4%

Tecnica 3150 WP