

Description

Two-component, water-based, aliphatic, transparent polyurethane protector and final coat coating material that provides matt appearance and increases resistance to abrasion.

Fields of Application

- On interior walls and floors.
- On all flooring surfaces as a final coat in epoxy and polyurethane flooring systems.
- On cement-based, coloured decorative floor coatings and totally cured Artcrete applied surfaces.

Properties

- Highly resistant to wear and abrasion.
- Matt finish and transparent natural appearance.
- Resistant to cleaning chemicals and wetting.
- High stain and surface pollution resistance.
- Water based and solvent free.
- Easy to clean.
- Odour-free and does not harm human and environmental health.
- Easy to apply.

Preparation of Substrates

- The substrates should be dry, clean, solid and free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- If Tecnica 552 is applied on existing resin coatings, sand the entire surface of the coating to guarantee that Tecnica 552 forms a good bond with the substrate.
- Before application, the suitability of surface humidity, relative humidity, temperature and dew point conditions should be checked.

Application

- Ambient and product temperature should be between +15 °C and +25 °C.
- Add all of the component B into the component A and make sure that there is no material left in the component B bottle.
- Components A and B should be shaken well before mixing.
- Tecnica 552 is in ready sets according to the mixing ratio. To prepare the product, mix component A with component B at a ratio of 2.5:0.5 with a low-speed electric mixer until they are thoroughly blended.
- It should be mixed approximately for 3-4 minutes until it becomes a homogeneous mixture.
- Resting time should be 5 minutes after mixing.
- The mixture should be applied in 2 layers with short-haired roller or microfiber roller.
- Tecnica 552 sets approximately in 3-4 hours. For the second coat application, wait for 3-4 hours between coats.
- Setting time on the epoxy coating surface may vary depending on the ambient conditions.

Consumption

- Approximately 0.1 – 0.2 kg/m²
- 3.0 kg of mixed product is sufficient to cover an area of approximately 15m² (two coats).
- The consumption values may vary depending on the application conditions, surface porosity and surface characteristics.

Post-Application Protection & Suggestions

- After Tecnica 552 is applied on the surface, care should be taken to protect it from heavy traffic for at least 7 days.
- Avoid pooling on the surface during application.
- Always work wet on wet and make sure to cover all areas avoiding the formation of pools.
- Prior to application confirm temperature, relative humidity and dew point
- The rising temperature during application and before curing can create air voids on the surface.
- In applications to be carried out in extremely cold weather, it should be ensured that the ambient and floor temperatures are increased with the help of heaters.
- Should not be applied in environments with high air flow.
- When applying the product, it is recommended using protective clothing, gloves and safety goggles and to work only in well-ventilated areas.
- After the application, the surface should be protected from direct contact with water for at least 24 hours.
- For further information refer to the safety data sheet.

Storage

- Packages should be kept dry and cool at between +5°C and +35°C in damp free conditions avoiding direct sunlight.
- Packages should be protected from water, frost and severe weather conditions.
- Shelf life is maximum 9 months under above mentioned storage conditions.

Packaging

- Component A: 2.5 kg plastic drum
- Component B: 0.5 plastic bottle
- Set of 3.0 kg

Chemical Resistance Table	
Olive oil	(+)
Iron oxide	(-)
Cherry juice	(+)
Vinegar	(+)
Coffee	(+)
Acetone	(-)
Ammonia (% 10)	(+)
Ethyl Alcohol (%90)	(-)
Distilled Water	(+)
Sodium Hypochlorite	(+)

(+) : Resistant

(-) : Resistant to short-term exposure.

Quality Certificates

EN 13813

Technical Properties

(at 23°C and 50% RH)

General Data

Structure	Component A: Reactive Hydroxyl Acrylic Dispersion Component B: Aliphatic Isocyanate
Appearance	Component A: White Liquid Component B: Transparent Liquid
Shelf life	9 months when stored in the original sealed packaging.

Application Data

Mixing Ratio (A/B)	2.5:0.5 (A:B percentage by weight)
Mixing Density (A+B)	~1.06 g/ml
Mixing Viscosity (A+B)	165 mPa.s
Consumption	0.1-0.2 kg /m ² (one coat)
Waiting Time Between Coats	2-4 hours
Touch Dry	30-50 minutes
Set to Light Traffic	10-12 hours
Final Curing	7 days

Performance Data (On Tecnica 242 SL)

Bond Strength (EN13813)	B2
Impact Resistance (EN 13818)	IR10
Abrasion Resistance (Taber Test)(EN 1504-2)	<80 mg (CS17,1000gr, 1000 cycles)
Glossy Factor(20/60/85) (ISO 2813)	0.4 / 3.6 / 36.5
Water Vapor Permeability (EN ISO 7783- 1 EN ISO 7783- 2)	Class 1 sd < 5m
Tensile Adhesion Strength (EN 1542)	>1.5