



0749 / EN 1504-2

TECHNICAL DATASHEET

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PC[®] 5001/T

Epoxy primer

1. Description

PC[®] 5001/T is a solvent-free 2-component epoxy primer.

2. Applications

Adhesion layer for applying an epoxy coating, epoxy- natural bitumen coating or epoxy poured floors on concrete, masonry, steel, or wood.

3. Characteristics

This epoxy primer has good adhesion to concrete, masonry, steel, and wood, resulting in excellent adhesion of the subsequent layers.

4. Technical data

- A component (resin):
 - Colour: light yellow
 - Viscosity (23 °C): 850 mPas
 - Density: 1.15 kg/l
- B component (hardener):
 - Colour: light yellow
 - Viscosity (23 °C): 145 mPas
 - Density: 1.04 kg/l
- Pot life (23°C): ~ 25 min
- Mixing ratio (weight): 2 kg A / 1 kg B or 10 kg A / 5 kg B
- Adhesion: > 3 N/mm² (break in concrete)
- Time to harden: 12 hours
- Consumption: ± 400 g/m², depending on the degree of roughness and porosity of the surface
- Storage life: 24 months after date of production in original, unopened and undamaged packaging, stored dry between + 5°C en + 30°C.
- Application temp.: min. 10°C, max 30°C (both ambient and surface)

5. Processing

- Mix the A and B components with a slow-turning mixer until a uniform mass is achieved. Apply the mixture to the substrate with a paint roller or a brush.
- The concrete should be dry (residual moisture < 3%), free from grease, load-bearing, and at least 1 month old.
- A primer can only be durable if the concrete that comes in direct contact with the ground is protected from rising damp using suitable sealing sheeting (polyethylene or equivalent).

- Avoid condensation: the temperature of the foundation should be at least 3°C above the dew point. Use the system only in an environment where the relative humidity is < 80%.

6. Sizes and weights


Packaging: 10 kg A and 5 kg B or 2 kg A and 1 kg B

7. Cleaning

Product that has not yet hardened can be removed using PC® 5900 cleaner.

8. Precautions and safety recommendations

- Avoid contact with eyes and skin.
- Wear protective glasses, gloves and coveralls.
- Ensure that the products do not come into contact or become mixed with water or moisture.
- See safety data sheet for more information.

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ECC N.V. Terbekehofdreef 50 – 52 B-2610 Wilrijk 09 0749 - CPD BC2-562-1895-0001-001	
EN 1504-2 In combination with PC 4840 PUREA: Surface protection product – Coating Principle 5: Physical Resistance Principle 6: Chemical resistance	
Adhesion strength by pull-off test	≥ 1.5 N/mm ²
Resistance to severe chemical attack	Class I: pass
Abrasion Resistance	Pass
Impact Resistance	Class III: pass
Capillary absorption and permeability to water	w < 0.1 kg/m ² .h ^{0,5}
Linear shrinkage	NPD
Compressive strength	NPD
Coefficient of thermal expansion	NPD
Adhesion by cross-cut test	NPD
Freeze-thaw cycling with de-icing salt immersion	Pass
Thunder-shower cycling (thermal shock)	Pass
Resistance to thermal shock	Pass
Crack bridging ability	Pass
Slip/skid resistance (scattered with quartz 0.7mm -1.25 mm)	Class III
Behaviour after artificial weathering	NPD
Antistatic behaviour	NPD
Adhesion on wet concrete	NPD
Dangerous substances	comply with 5.4
Reaction to fire	Euroclass F