

PU Primer PB 720

Construction Chemicals > Primers and Adhesion Promoters > Polyurethane Based Primer



A two-component, filler-free, moisture-tolerant polyurethane primer applicable on concrete and metal surfaces.

■ Fields of Application

- Surface applications on concrete, plaster, wood, glass, metal, marble, and granite in indoor and outdoor spaces

■ Advantages

- Provides a strong bond on surfaces with low or no absorbency
- Easy to apply due to its quick-drying nature

■ Surface Preparation

The surface to be applied should be clean, solid, and dry. Scrape off any plaster, adhesive, paint, and concrete residues, and sweep the surface to remove dust. Necessary repairs on the floor should be made with Merks Repair Plus series repair mortar or Repoc Eb 456 epoxy-based repair mortar. On concrete surfaces, the laitance layer should be removed with a diamond-tip grinding machine, and the resulting dust should be cleaned with a vacuum machine.

■ Preparation of the Mortar

Both components are packaged according to ideal mixing ratios. Add 5 kg of Component B (hardener) to 15 kg of Component A (resin) and mix with a 400 rpm mixer drill until a homogeneous consistency is achieved for 2-3 minutes. Do not mix by hand. If filling is required to correct surface defects, silica sand can be added to the mixture in ratios ranging from 1:1 to 1:5 after mixing.

■ Application

The application time is approximately 30-35 minutes. This period is primarily dependent on temperature. The application time will shorten at higher temperatures and slightly increase at lower temperatures. The surface to be primed should be completely covered using a roller or brush (spraying can also be used). After curing is completed in 6 - 12 hours, polyurethane waterproofing coating can be applied.

■ Packaging

20 kg set (Component A: 15 kg metal bucket - Component B: 5 kg metal bucket)

■ Consumption Amount

Total consumption is 0.300-0.500 kg/m². The given consumption amount is theoretical, and the need for additional material should be included depending on the profile to be used, leveling differences, and losses.

■ Precautions

- The substrate must be dry, clean, and free from foreign substances such as oil, dirt, and surface curing materials
- Ensure the air is dry and the temperature is between +5°C and +35°C during application
- Weak concrete should be removed from the surface, and any holes should be fully opened, using Merks repair mortars where repairs are needed
- Sweep and remove all dust and loose particles from the surface before applying the product
- Clean all used equipment with water after application. Hardened material can only be removed by mechanical means
- Wear protective gloves, glasses, and clothing during application. Avoid contact with eyes and skin

■ Storage Life

At least 12 months when stored in a closed package, protected from frost, and between 5°C - 25°C.



TECHNICAL DATAS

Composition	Two-component polyurethane primer
Mixing Ratio	15 kg Component A / 5 kg Component B
Mix Density	~1,25 kg/l (20°C)
Hardness	75-80 Shore A
Mixing Ratio (A+B)	3:1 by weight
Solids (A+B)	85 %
Pot Life	
10°C	40-50 dk
25°C	30-35 dk
Adhesion to Concrete	~ 2,3 N/mm ²
Waiting Time Between Coats	4-6 hours
Recoat Time	8-24 hours
Full Cure	4 days
Shelf Life	12 months if unopened and protected from frost
Packaging	20 kg set (15 kg metal bucket, 5 kg metal bucket)