

PIOPRIME 38

Two-component solvent-free epoxy primer

DESCRIPTION

PIOPRIME 38 is multicomponent , solvent-free clear epoxy primer formulated specially as a primer of Arkaz resins-based flooring & coating systems, **PIOPRIME 38** is designed to be applied over porous surface to seal it and to act as a bonding bridge between substrate and flooring system topcoats, it obtains high durability, and it is considered mandatory as a bond for epoxy screed.

USAGES

- As a primer for porous and semi-porous concrete and steel surfaces
- For all epoxy, PU, Polyurea flooring & coating systems
- Primer for steel surfaces
- Can also be used to hold the blast profile with an extended overcoat

ADVANTAGES

- Excellent bonding to concrete and steel
- Provides high durability for flooring systems
- Excellent water resistance
- Surface anti-slip roughness could be controlled by broadcasting fine silica sand after coating it on the surface
- Safe when used in closed spaces. As it is solvent free
- Obtains high mechanical characteristics for all flooring systems

TECHNICAL DATA

PIOPRIME 38

Appearance

Typical values

Clear liquid

Solid Content

100%

Mixed Density @25°C
(ASTM D1475)

1.08 ± 0.05

Working Time @25°C
(ASTM D2471)

1 – 2 hours

Touch Dry @25°C
(ASTM D2471)

8 hours ± 15min

Volume Shrinkage

0.4 %

Adhesion to Concrete
(ASTM D4541)

< 2.5 MPa

Min Overcoating Time
@25°C

18 hours

USAGE INSTRUCTIONS

1. Surface preparation

All substrates shall be sound, clean, free from dust, grease & oil, dirt, the concrete wet substrates should be sponge-dried to remove all free surface water.

Concrete substrates should have compressive strength not less than 25 MPa. any old resin floor was applied shall be removed completely using a concrete grinding equipment, any cracks or grooves should be filled using **PIOMORTAR TT** before priming.

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Coverage

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9 m²/liter/100μ (DFT)

2. Mixing

Stir component A only separately, then the entire content of component B could be poured into the base container, both should be mixed at lease for a minute using mechanical mixer (drill mixer). Insufficient mixing may lead bubbles formation.

3. Application

Apply **PIOPRIME 38** by brush or roller, ensure that the substrate is completely covered. In the case of very porous concrete substrate, further coats of primer might be required.

It is recommended to finish all concrete repairs prior to priming the substrate, such as crack filling or bores smoothing, but all surfaces must be dry as well, i.e. It is preferable to use epoxy repair compounds to save time.

Anti-slip surface application

The first coat shall be dressed by the chosen silica sand (anti-slip grains). The grain can be broadcast in a slight random dressing to provide a less dense finish. After the first coat has reached initial curing time, the excess aggregate should be removed from the surface, then apply the topcoat with medium texture roller, care should be taken to ensure that continuous film is achieved, and all grains are completely covered and coated by it.

4. Cleaning

Clean all tools and application equipment with a suitable thinner immediately after use. Hardener or cured material can be only removed mechanically or by hand tools.

PACKAGING

PIOPRIME 38 is supplied in 20 liters set, component A & B.

HEALTH & SAFETY

Before applying **PIOPRIME 38**, all safety protections should be worn during application, such as safety goggles and rubber gloves to avoid any harmful accidents.

If **PIOPRIME 38** is splashed to skin, it must be removed, before it hardens, with resin removing cream follow by water and soap at once, and if to the eyes seek medical attention immediately.

TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:
concretedoctor@arkaz.com

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These products may be covered by patents or patents pending.

STORAGE & SHELF LIFE

PIOPRIME 38 shall be stored in its sealed container under dry and shaded place in a temperature from 10°C - 35 °C, shelf life of the material is 12-months.