

CIKOMould PU

Liquid applied rubber mould for GRC

Description

CIKOMould PU is high resilient polyurethane based, liquid applied mould material for preparing negative mould to in precast or in situ concrete industries. CIKOMould PU is mostly used for making architectural glass reinforced concrete elements. The cured material provides very high elastomeric property with sufficient hardness.

Properties

- Cold applied two component system.
- Available in pouring grade consistency.
- Exhibits good resilience.
- Available in grey colour.
- Low maintenance cost.

Application area

CIKOMould PU is a high quality mould material suitable for,

- Glass reinforced concrete industries.
- Concrete pre-cast claddings.
- Special architectural works.

Physical properties

Form	Two component Semi-viscous liquid system
Colour	Greyish
Solid content	100%
Viscosity @ 25 ⁰ C	8000 cps ± 1000
Consistency	Pouring grade
Pot life	30-40 minutes @ 25 ⁰ C
Application temperature	+10 ⁰ C to +50 ⁰ C
Tacky free time	24 hours @ 25 ⁰ C
Stripping time	24 hours
Shore A hardness	50±3

Coverage

CIKOMould PU provides yield as follows.

20 kg pack	15.5 litre
------------	------------

Note: The coverage depends on the surface type and condition.

Application instructions

Surface preparation

The master positive mould should be free from all loose particles and dust. All holes and corners should be sealed using silicone sealant. After ensuring preparation, mould release agent, CIKOMould release, should be applied on master positive mould just before application of CIKOMould PU.

Mixing

The base component of CIKOMould PU should be mixed thoroughly using a heavy duty slow speed drill fitted with paddle and ensure a homogenous mix. The hardener component should be poured into the base component and mixed well, typically 4 to 5 minutes, until a homogenous mix is obtained.

Application method

Partial mixing of CIKOMould PU is strictly prohibited because of its sensitivity. Properly mixed materials shall be poured into master positive mould by providing shuttering around. Spread the liquid component uniformly over master positive and make sure it is at least 5mm above master positive. Care should be taken to avoid entrapped air in the mixed material.

CIKOMould PU should be allowed to cure for 24 hours before de-moulding.

Packaging

CIKOMould PU is available in 20.0 kg kits.

Shelf life

CIKOMould PU has a shelf life of 12 months in unopened pails and if stored in accordance with CIKO instructions.

Storage

CIKOMould PU should be stored under enclosed shaded area at temperatures between 10 – 30°C.

Precautions

- Do not use over damp surface or standing water.

Health & safety

CIKOMould PU should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

TDS/ST18 Rev.:1 Issue:C

Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control

