

Uremould 100

Sealants

Description

Uremould 100 is a two component aromatic polyurethane based sealant for making negative moulds in pre-cast or in situ concrete industries, used for making architectural GRC substrates such as panels, columns, patterns etc.

Uremould 100 is a liquid applied sealant, which on curing imparts a highly resilient casting.

Directions to use

- The master positive mould should be free from dust and loose particles. All holes and corners should be sealed by suitable sealants, preferably silicon sealants.
- Mould release agent is applied on the mould prior to pouring of Uremould 100.
- Uremould 100 contains two components, resin and hardener.
- The ratio of mixing of resin to hardener is 8:1 by weight.
- Stir the contents of resin container thoroughly so that all ingredients are completely homogenized. Stir the contents of Hardener container.
- Mix both components using slow speed stirrer like jiffy mixer for a maximum of 5 minutes.
- Ensure that there is no air entrapped into the system while stirring.
- The mixed solution is poured into positive mould. Spread the solution uniformly over the positive mould. The mould should be fully covered with the mixed resin.
- Allow to cure for 24 hours before de-moulding.
- After de-moulding, the cured mass should not be used for another 24 hours to avoid any rupture or damages.

Typical physical properties

Type	Aromatic, polyurethane
Mixing ratio	8 : 1 by weight
Viscosity at 27°C :	
Resin (SP=6)	90 - 100 ps
Hardener (Ford Cup B4)	22-24 sec.
Density at 27°C	
Resin	1.29 - 1.31 gm / cc
Hardener	1.21 - 1.22 gm / cc
Pot life at 27°C	60 - 90 minutes
Shelf life	6 months
Clean up	PUT 502

Physical properties of mixed solution:

Density	1.29 - 1.31
Shore A Hardness	45 - 50
Stripping time	24 hours