

CAC- PUF 2X

CAC- PUF 2X is a two component, solvent free polyurethane injection resin specifically designed for rapid water stopping and ground consolidation. After mixing of both components tough, rigid, chemical resistant and highly hydrophobic polyurethane foam is formed.

AREA OF APPLICATION:

- Permanent stopping of high volume water ingress in underground structures
- Foundation stabilization
- Void filling
- Repair of concrete structures

Primary uses to obtain-

- Solvent free, environmentally safe.
- Highly hydrophobic
- Rapid reaction
- High foam strength
- Without the presence of water, the product reacts and forms hard foam. This is a significant safety advantage that the material never remains uncured
- Medium viscosity
- Good bonding strength

METHOD OF APPLICATION:

CAC- PUF 2X Component A and B are delivered for ready to use. They are injected in the proportion of 1:1 by volume using a two component injection pump equipped with a static in-line mixer to achieve thorough mixing of two components during injection.

After injection, pump must be thoroughly cleaned by PU cleaner. Curing reaction time will vary depending on temperature of material, substrate, rock and

ground water. The material should be conditioned to appropriate temperature (above 15°C) prior to application. Care should be taken during application that below 10°C there may be a possibility of crystallization.

TECHNICAL PROPERTIES:

CAC- PUF 2X (Part A)	
Colour	Light yellow liquid
Density (gm/cm ³) @25°C	1.02 ± 0.050
Viscosity @20°C, Brookfield DVII spindle no. 2 at 30 r.p.m.	500 – 700 Mpas.
CAC- PUF 2X (Part B)	
Colour	Brown
Density (gm/cm ³) @25°C	1.23 ± 0.020
Viscosity @20°C, Brookfield DVII spindle no. 2 at 60 r.p.m.	200 – 400 Mpas.
After Mixing by vol. 1:1 (Part A + Part B)	
Colour	Brown
Expansion	>15X
Final cure	1 Day

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Testing of CAC- PUF 2X – All tests carried out using 1:1 mix ratio by volume.

Reaction Times	15 ^o C	20 ^o C	30 ^o C
Cream time	<45 sec	<25 sec	<18 sec
Gel time	<160 sec	<120 sec	<95 sec
Tack free time	<180 sec	<150 sec	<120 sec

The above data are based on tests carried out under laboratory condition.

PACKAGING:

Component A: 20 kg

Component B: 25 kg

Other packing size can be made available as per requirement.

STORAGE:

Material must be stored in airtight containers at room temperature (10°C to 38°C), kept in a cool and dry place. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected. The product must be prevented from freezing.

SAFETY PRECAUTIONS:

Follow standard safety procedures when handling the product .Wear gloves and face / eye protection. Avoid eye and skin contact. If skin contact occurs, wash with plenty of water and soap. In case of eye contact rinse with plenty of water and seek medical

advice. For further information refer to Material Safety Data Sheet.

The Health & Safety data sheet is available upon request from local CAC representative.

Disclaimer:

The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests and take trials to ensure on suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of the other materials used and on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The Company does not assume any liability or any consequential damage for unsatisfactory results, arising from the use of our products.