

Product information

Building

PU 8408

FEATURES

- Waterproof barrier
- It foams in contact with water

COMPOSITION

- Part A: Polyol PU8408-A
- part B: Isocyanate PU8408-B



PU-8408 is a two-components polyurethane injection resin that, thanks to its particular composition, it penetrates into the smallest cracks and seals them against water infiltration. In contact with water the resin expands to form a stable and compact foam which quickly blocks water infiltration. In the absence of water, it generates a compact and resistant polymer that acts as a waterproof sheath and permanently consolidates the surrounding soil or rock. The product guarantees high mechanical resistance and chemical stability.

APPLICATIONS

- Designed for waterproofing and consolidation of rocks, friable soils and structures affected by high-pressure water.

TYPICAL PROPERTIES

This data does not constitute the Product Sales Specifications. The values indicated refer to typical properties and are not to be understood as extreme minimum or maximum values. They do not constitute a guarantee of product conformity and do not relieve the buyer from the need to test the suitability of the products before use or placing them in his production cycle. Please contact your local sales representative to obtain the product specifications.

Property	Unit	Value
Color (Part A/Part B)	Visual	Straw / Brown
Density at 23°C (Part A/Part B)	g/cm ³	1,055 / 1,230
Viscosity at 23°C (Part A/Part B)	mPa.s	400 / 210
Mix ratio A : B	pbv	100 : 100
Mix ratio A : B	pbw	100 : 117
Reaction in presence of water (A : B: H ₂ O = 100 : 100 : 10)		
Cream time	seconds	12
End of rise	seconds	52
Free rise density	g/Lt	35

SETTING

A and B components must be stirred well before use. At low temperature the viscosity of component A may significantly increase. B-component is extremely sensitive to moisture. Make sure that the diameter of the holes drilled next to the fissure to be sealed is suitable for the dimensions of the injectors used.

USE

The two components must be mixed together using a pump for two-component resins with a static helix mixer. The mixing ratio is 1:1 by

volume. After mixing, inject the product continuously through the fissure. Injection equipment must be washed with mineral oil free of water and impurities after every application.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products is contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks to health and the environment and for the suitable protective devices to be adopted. Share

the safety data sheets with all staff involved in the use of the products.

USABLE LIFE - STORAGE

Store both components A and B in the original pack, in a cool and dry place, at temperature between +5°C and +30°C. Part B: protect from moisture. Keep the original containers tightly closed. This material has 12 months shelf life.

PACKAGING

The components are supplied in 25 liters plastic canisters. For other packaging please contact our sales department.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to be accurate. However, as the conditions and methods of use of our products are beyond our control, this information

should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values that are out of specification is limited to the replacement of the product or the refund of the purchase price.

Chemix disclaims any other explicit or implicit guarantee referring to the suitability of the Products in specific user's applications.

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