

PU 8408 FR

FEATURES

- Reacts in contact with water
- Waterproof barrier
- Self-extinguishing

COMPOSITION

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



PU-8408 FR is a two-components polyurethane injection resin which penetrates the finest cracks, sealing them and preventing water infiltration. Curing both in presence and in the absence of water, this product forms a waterproof sheath of variable thickness wrapped in a layer of polyurethane foam which permanently consolidates the ground or rock. The foam is self-extinguishing and is characterized by high chemical-dimensional stability.

APPLICATIONS

- Designed for injection application in waterproofing and consolidation of rocks, friable soils, containment of groundwater, filling cavities, tunnels, dams, wells, hydraulic works, waterproofing of large infiltrations, sealing joints and cracks, even in the event of large water leaks.

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	1.082 / 1.245
Viscosity at 23°C (Part A/Part B)	mPa.s	300 / 150
Mix ratio A : B	pbv	100 : 100
Mix ratio A : B	pbw	100 : 115
Cream time	seconds	10
String time	seconds	75
End of rise	seconds	70
Free rise density	g/Lt	70
Fire behaviour		Self-extinguishing

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. Check that the diameter of the holes made in correspondence with the slot to be sealed is adequate for the size of the injectors used. Injectors with non-return valves are recommended.

USE

Mix the components using a two-component pump with a static propeller

mixer. The mixing ratio is 1 to 1 by volume. After mixing, inject continuously through the hole. During mixing, the viscosity increases substantially avoiding the separation or washing out of the injected material from pressurized water. The injection equipment should be washed with water-free mineral oil after each use.

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.

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