

Silex 330 foam

FEATURES

- Expands up to 40 times
- Excellent adhesion on stone
- Chemical stability
- Fire resistance

COMPOSITION

- Part A: silicate Silex 330A
- Part B: isocyanate Silex 330B



Silex 330 Foam is a two-components, organic-mineral foaming resin characterized by irreversible reaction, fast curing, fire resistance, excellent chemical stability e mechanical properties, expansion up to 40 times. Due to the predominant inorganic matrix, the expansion of the product is not affected by the presence of water or extreme climatic conditions.

APPLICATIONS

- Designed for filling cavities, waterproofing and stabilization of rocks and soils.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact your local sales representative prior to writing specifications on this product.

Property	Unit	Value
Color (Part A / Part B)	visual	Yellowish / Brown
Density at 23°C (Part A / Part B)	g/cm ³	1,25 / 1,23
Viscosity at 23°C (Part A / Part B)	mPa.s	10 – 50 / 280 ± 80
Mixing ratio	pbv	100 : 100
Flammability		B2
LOI		23,5
Service temperature	°C	-40 / +100
Reaction without water		
Cream time	sec	0
Free rise time	sec	20 – 35
Tack free time	sec	35 – 55
Free rise density	kg/m ³	45 - 52
Reaction with water (100A+100B+10 water)		
Cream time	sec	0
Free rise time	sec	25 – 35
Tack free time	sec	40 – 50
Free rise density	kg/m ³	48 - 55

SETTINGS

A and B components must be stirred well before use. Recommended application temperature: +15°C / +30°C. At low temperature the viscosity of component A may significantly increase.

APPLICATION

By injection 1 to 1 in volume, using an injection pump equipped with a static in-line mixer. The curing time significantly depends on the resin

temperature. For applications below than 10°C product and pump must be kept in a heated room and conditioned over 15°C. For injections at temperature close to 0°C provide for the use of pumps and pipes with heating mantle. Avoid direct heating (as flames). An high temperature of the components increases the reactivity and can cause polymerization in the mixing head. An accelerator Silex ACC-4 is available for addition in the A-

component (0,5-1,0% pbw) for extreme temperature applications.

HANDLING PRECAUTIONS

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

PACKAGING

Both components are supplied in 23 kg containers, ACC-4 in 20 kg containers.

USABLE LIFE - STORAGE

Store both components A and B in the original pack, sealed, in a cool and dry place, at temperature between +10°C and +35°C. Part A: protect from frost. Part B: protect from moisture. In winter transport with insulated containers is suggested. If transported at low temperature the product must be conditioned at least 12 hours at room temperature before use. Keep the original containers tightly closed. This material has 6 months shelf life.

LIMITATIONS

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

LIMITED WARRANTY

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