

Concrete Formwork Treatments

FOAMFIL

Fast-Set Expanding Adhesive Foam

Description

A single component moisture curing polyurethane foaming system contained under pressure in an aerosol canister. When released from the canister it produces when cured a rigid foam to form by "foam in place" techniques a multi-purpose foam sealant, a gap filling adhesive or an insulating infill.

Typical Applications

- In concrete formwork situations to fill irregular shaped gaps between cast-in items and to seal gaps between reinforcement starter bars and stop-end shutters.
- Fixing, with the use of temporary bracing, door and window frames without the need for screws or nails.
- Providing an insulating infill in cavity construction.

There are numerous other potential applications and if in any doubt of how to proceed with any particular application, please consult our technical department.

FOAMFIL 500 - Finger-press operated aerosol

Technical Data

Canister Profile		FOAMFIL 500
Contents (ml)		500
Dimensions	Diameter (mm)	65
	Length (mm)	195
Maximum Capacity	(ml)	650
Burst Pressure	(bar)	150 min
Product Pressure @ 20°C	(bar)	5 max.
	@ 50°C	(bar)
Operation Temperature	(°C)	5 - 30
	(°C)	20 optimum
Shelf Life @ 15°C	(month)	9 max.

Typical Physical Properties (Tested @ 23°C 50% RH)

Reactivity: 20 cm – bead		
Tack-Free Time	(mins)	20 max.
Rigid for Cutting	(hrs)	4 minimum
Yield (free-rise) per can	(Lt)	20

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Foam Properties

(Sample 12 cm x 6 cm x 6 cm)

Density (free-rise core)	(kg/m) BS 4370	24
Compressive Strength	(kPa) BS 4370	50
(Sample 5 cm x 3 cm x 12 cm)		
Max. linear change -	24 hrs @ 20°C	1%
(Sample 25 cm x 15 cm x 12 cm)	24 hrs @ 50°C	6%
Tensile Strength	(kPa) BS 4370	71
Thermal Conductivity	(W/mk) ANACON	0.027

Safety Precautions

Material is highly flammable with a flash point of 20°C. Its autoflammability is over 100°C. Before the material is cured contact with skin should be avoided. If material enters eyes bathe immediately with copious quantities of clean water and seek medical attention. Users should pay strict attention to the handling precautions indicated on the label. See separate Health & Safety leaflet for further information.