

Cl/SfB	Yt4
CAW P22	
Uniclass L675:P743	

Description

FA870 is a gun grade, neutral cure silicone sealant with fungicide.

Colour

White, light grey, dark grey, concrete grey, anthracite, black, portland (light sandstone) and dark sandstone

Packaging

400 ml sausage (25 per carton)

Technical Information

Property	Test Method	Result
Composition		silicone sealant
Specific Gravity		1.02
Consistency	ISO 7390, profile U20	non-sag
Shore A Hardness	ISO 868	20
Skin Forming Time	at 23°C, 50% RH	10-15 minutes
Tack Free Time		Approximately 30 minutes
Cure Rate	at 23°C, 50% RH	2-3 mm/day
Tensile Strength	ISO 8339	0.9 Mpa
Modulus at 100%	ISO 8339	0.8 Mpa
Elongation		
Elongation at Break	ISO 8339	200%
Movement		±20%
Accommodation		
Elastic Recovery	ISO 7389	95%
Application		+5°C to +40°C
Temperature		
Service		-40°C to +160°C
Temperature Range		
Storage		Store in dry conditions between +5°C and +25°C.
Shelf Life		18 months when stored as recommended in original unopened containers.

Necessary Tools

- Sausage gun and sharp knife.

Priming

- FA870 has excellent primerless adhesion to many typical construction materials. For special situations, or if in doubt, please contact tremco illbruck Technical Services Department to discuss your requirements.

Joint Design Considerations

- Joint design to be in accordance with BS 6093.
- For the purposes of joint width calculation in BS 6093, the MAF of FA870 is 25%
- Width to depth ratio of illbruck FA870 should be 2:1.
- Minimum depth of 6mm on non-porous substrates and minimum depth of 10 mm on porous substrates.
- Sealant width not to be less than sealant depth.
- For fillet joints, the minimum bite onto each surface should be 10 mm for porous substrates and 6 mm for non-porous substrates.



FA870

Gloss Finish Natural Stone Silicone



Usage / Purpose

FA870 is a non-staining, neutral curing silicone sealant. It provides long term elastic sealing of connection and movement joints between natural stones such as granite, slate, terrazzo, porphyry, limestone, travertine, sandstone, quartzite, marble, etc. as well as for connection joints with other conventional materials like concrete, ceramics, metals, glass, PVC and primed wood.

Key Benefits

- Non-staining formulation for natural stone
- Long-term resistance to weathering, ageing and UV
- Contains fungicide to prevent mould growth
- Rapid curing formulation - skins within 10 - 20 minutes

Gloss Finish Natural Stone Silicone

Surface Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may affect adhesion. Any previously applied sealant must be mechanically removed.
- Thoroughly clean with a suitable cleaning solvent using the two cloth method, using one cloth dampened with the cleaning product to lift contaminants and a second clean dry cloth is used to remove any cleaner residue.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Contact tremco illbruck Technical Services Department for further information if required.

Joint Backing

1. Deep joints should be filled with an approved material such as illbruck FM617 360° PU Foam. In movement joints, back fill the joint with polyethylene joint backing in order to control the depth of sealant and prevent three-sided adhesion.

Application

1. Always carry out a test application prior to installation, to confirm compatibility and suitability for use.
2. Application should be in accordance with BS 8000:16 - "Code of practice for sealing joints in buildings using sealants".
3. Apply between +5°C and +40°C using a conventional sausage gun or electric/power equipment.
4. All beads should be tooled after application to ensure firm, full contact with the joint faces.
5. Tooling should commence without delay due to the rapid skinning of the product.

Coverage

Width x Depth (mm)	Linear metres per 400 ml Sausage
5 x 3	26.7
5 x 5	16.0
8 x 6	8.3
10 x 8	5.0
15 x 10	2.6
20 x 12	1.6
25 x 15	1.0

Cleaning

Remove excess sealant immediately with AT200 High Strength Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

Please Note

Not suitable for substrates like polyethylene, silicone, butyl rubber, neoprene, EPDM, bituminous or tar containing surfaces. Contact with bituminous or tar containing surfaces can lead to discoloring and failing adhesion. For bonding larger surfaces a special processing must be observed. Additional surface treatment of natural stones such as fluting, should be performed after sealing.

Health & Safety Precautions

Safety data sheet must be read and understood before use.



BASA

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer service on 0191 419 0505.

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which

has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for information provided in this leaflet although it is published in good faith and believed to be concerned. tremco illbruck Limited reserves the right to alter product specification without prior notice, in line with Company policy of continuous development and improvement.



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