

CI/SfB		Yt4
CAW P22	Uniclass L675:P743	

Description

FA880 is a one component, low slump silicone guaranteed not to cause migratory staining on natural stone. It is neutral curing for safe sealing of stonework and has a matt finish. Contains fungicide. FA880 is classified according to EN15651 for use in cold climates. Please see table below for further classifications.

Colour

Matt finish available in 24 colours – see colour chart

Packaging

310 ml cartridge (12 per carton)

Technical Information

Characteristic	Standard	Classification
Classification	EN 15651 part 1	F-EXT-INT-CC
	EN 15651 part 3	XS1
	EN 15651 part 4	PW-EXT-INT-CC 12.5E
Staining	DIN ISO 16938	No migratory staining
Density	DIN 52451-A	~ 1.3 g/cm ³
Skin Formation	+23°C, 50% RH	~ 15 minutes
Curing Rate	+23°C, 50% RH	~ 3 mm in 1st day
Shrinkage	BS EN 10563	~ 6%
Modulus at 100% Elongation	BS EN 8339	~ 0.6 N/mm ²
	Method A	
Tensile Strength	BS EN 8339	~ 0.8 N/mm ²
	Method A	
Elastic Recovery	BS EN 7389	~ >90%
	Method A	
Movement Accommodation Factor	BS 8449 Method A	50%
Movement Capability	ISO 11600	20%
Shore A Hardness	BS EN 868	~ 35
Application Temperature		+5°C to +40°C
Service Temperature		-40°C up to +150°C (Short Term)
Storage	Store in shaded dry conditions between +5°C and +25°C.	
Shelf Life	18 months when stored as recommended in original unopened containers.	

Necessary Tools

Geared cartridge gun such as illbruck AA834 or AA854, smoothing tools such as illbruck AA311.

Protective Equipment

Use in well ventilated conditions and ensure all recommended protective equipment is worn during handling & use of this product. For full recommendation, please refer to safety data sheet.

Priming

FA880 adheres well to most surfaces – please refer to primer table for best results.



FA880

Premium Natural Stone Silicone Matt



Usage / Purpose

FA880 has been formulated for the long term elastic sealing of movement joints between natural stone such as granite, slate, terrazzo, porphyry, limestone, travertine, sandstone, quartzite, marble, etc., as well as for joints with other construction materials like concrete, ceramics, metals, glass, PVC and primed wood. FA880 is also suitable for use with resin flooring systems.

Key Benefits

- A high performance silicone sealant developed specifically for the sealing of natural stone whereby Tremco CPG guarantees no migratory staining
- Superb matt finish
- Good resistance to UV light, ageing and weathering
- Contains fungicide to prevent mould growth - suitable for sanitary applications
- Suitable for use in residential and commercial pools
- Rapid curing formulation - skins within 10-20 minutes
- Chemically neutral and very low odour
- Compatible with most construction materials.

Premium Natural Stone Silicone Matt

Joint Design Considerations

- For the purpose of joint width calculation to BS 8449, the Movement Accommodation Factor of FA880 is 50%. Joint design to be in accordance with BS 6093
- For calculating to ISO 11600 the total movement capability is 20%
- Minimum joint width should normally not be less than 5 mm
- Typical maximum joint width of 30 mm, however for all large joints (greater than 30 mm), please contact Tremco CPG to discuss project specifics
- Width to depth ratio should typically be 2:1
- Minimum width to depth ratio should typically be 1:1. Please note MAF is reduced at smaller width to depth ratios
- The minimum contact area with any substrate (including for fillet joints) should be determined by the quality of the bond. If in doubt please contact Tremco CPG
- PE backing rod should be used in all movement joint applications.

Preparation

- Always carry out a test to confirm compatibility prior to use
- Surfaces must be clean, free from grease and must be stable and dry
- For non-porous substrates use cleaner AT200, a preliminary test is recommended
- Use a brush to remove loose particles from joints
- For plastics and powder coatings, clean with AT115 and conduct preliminary tests to confirm compatibility.

Priming

- FA880 adheres well to most surfaces.
- Designated primer for underwater use is essential for use in pool applications
- Please refer to primer table / technical department for best results or further details.

Primer Table

Bricks, Concrete & Stone	
Natural Stone	+, AT101
Concrete	AT101
Fibre Concrete	AT101
Brick	AT101
Metals	
Aluminium	+
Aluminium Anodised	+
Aluminium Powder Coating	+, test
Galvanised Steel	AT105, AT120
Stainless Steel	AT105, AT120, AT160
Copper	+, AT105, AT120
Brass	+, AT105, AT120
Iron	+
Glass	
Glass	+
Plastics	
ABS	+, AT105, AT120
GRP Polyester	
Polyamide	
Polycarbonate*	+, AT105, AT120
Polystyrene*	+, AT105, AT120
Sanitary Acrylic	AT105, AT120, AT160
Acrylic Glass PMMA	
PVC Rigid*	AT105, AT120, AT160
Wood	
Wood Primed*	+
Wood Painted*	+, AT105, AT120, AT160
Wood Stained*	+, AT105, AT120, AT160
Tiles	
Glazed Tiles	+
Unglazed Tiles	+, AT101
Tiles Reverse Side	

+ = good adhesion can normally be expected without primer.

Reference numbers (e.g. AT111) show the type of illbruck primer required to improve adhesion.

Where there is no result listed according to substrate please contact technical department.

* = Substrates can vary in their surface properties; therefore, adhesion tests prior to use are recommended.

For pool applications:

Primer AT101 for Concrete, Granite, Grouting, Basalt, Tiles Reverse Side.

Primer AT105 for Tiles Glazed, Vitrified Clay, Stainless Steel.

Primer AT120 for Glass, Polished Limestone, GRP.

For Travertine, Marble, Pool Membrane substrates, please refer to Tremco CPG UK technical department for advice.

Joint Backing

Backing rod is recommended beneath the joint to ensure the sealant is only bonded to two surfaces.

Application

- Application should be in accordance with BS 8000-16 : Workmanship on Building Sites- Part 16: Code of Practice for Sealing Joints in Buildings Using Sealants
- Use a high quality geared sealant gun to expel the sealant consistently. Cut cartridge nozzle to desired aperture
- Apply sealant slightly proud of desired level, spray on illbruck smoothing agent AA301
- Tool off immediately using a jointing tool such as illbruck AA311
- Note: avoid making too many passes with the smoothing tool to avoid polishing the matt finish.

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Coverage

Width x Depth (mm)	Linear metres per 310 ml Cartridge
5 x 5	12.4
8 x 6	6.4
10 x 8	3.8
15 x 10	2.0
20 x 12	1.2
25 x 15	0.8

Cleaning

Clean tools or sealant spillage immediately with illbruck AT200 Cleaner. Ensure surface is solvent resistant before cleaning. Cured sealant can only be removed mechanically.

Please Note

Not suitable for some substrates such as butyl rubber, neoprene, EPDM, bituminous or tar containing surfaces. Contact with bituminous or tar containing surfaces can lead to discolouring and failing adhesion.

Health & Safety Precautions

Safety data sheet must be read and understood before use.



Technical Service

Tremco CPG UK Limited 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 Services on 01942 251400.

Guarantee / Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in

accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

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



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