

Cl/SfB		Yt4
CAW P22	Uniclass L675:P743	

## Description

FA880 is a one component, low slump silicone completely free of any ingredients likely to cause migratory staining to natural stone. It is neutral curing for safe sealing of stonework and has a matt finish. Contains fungicide. FA880 is classified according to ISO 11600 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 15651-1,-3,-4 F-INT-EXT-CC   S   PW-EXT-INT-CC
Staining	ASTM C 1248	No migratory staining
Specific Gravity	DIN 52 451-A	1.3
Skin Formation	+23°C, 50% RH	Approx. 15 minutes
Curing Rate	+23°C, 50% RH	3 mm in 1st Day
Shrinkage	DIN 52451	Approx. 6%
Modulus at 100% Elongation	EN 28340	0.4 N/mm <sup>2</sup>
Tensile Strength	EN 28340	Approx. 0.9 N/mm <sup>2</sup>
Elastic Recovery	EN 27389-A	> 95%
Movement Capability		20%
Shore A Hardness	DIN 53505	Approx. 43
Application Temperature		+5°C to +40°C
Service Temperature		-40°C up to +160°C
Storage		Store in shaded dry conditions between +5°C and +40°C.
Shelf Life		18 months when stored as recommended in original unopened containers.

## Necessary Tools

- Geared cartridge gun, smoothing tools such as illbruck AA311.

## 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.

#### Key Benefits

- A high performance silicone sealant developed specifically for the sealing of natural stone whereby illbruck guarantees no migratory staining
- Superb matt finish
- Good resistance to UV light, ageing and weathering
- Contains fungicide to prevent mould growth - suitable for sanitary & swimming pool surround applications
- Rapid curing formulation - skins within 10- 20 minutes
- Chemically neutral, not corrosive and very low odour
- Compatible with most construction materials

## Premium Natural Stone Silicone Matt

### 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 FA880 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 illbruck 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 illbruck.
- 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, do preliminary test.
- 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 – please refer to primer table for best results.

### Primer Table

Bricks, Concrete & Stone	
Natural Stone	+, AT101
Concrete	+, AT101
Fibre Concrete	AT101
Brick	+, AT101
Plaster	AT101
Metals	
Aluminium	+, AT105, AT120
Aluminium Anodised	+
Aluminium Powder Coated	+, Test
Galvanised Steel	+, AT105, AT120
Stainless Steel	+, AT105, AT120
Copper	+
Brass	+
Iron	+, AT105, AT120
Glass	
Glass	+
Plastics	
ABS	
Polyamide	
Polycarbonate	
Polyester GRP	+
Polystyrene	AT105, AT120
Sanitary Acrylic	AT105, AT120
Acrylic Glass PMMA	
PVC Rigid	AT105, AT120
PVC Soft Sheet/Film	+, AT105, AT120
Wood	
Wood Primed	+
Wood Painted	+, AT105, AT120
Wood Stained	+, AT105, AT120
Tiles	
Glazed Tiles	+
Unglazed Tiles	+, AT101
Tiles Reverse Side	
Others	
Enamel	+

+ = 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.

### Joint Backing

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

### Application

- 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.

### Coverage

Width x Depth (mm)	Linear metres per 310 ml Cartridge
5 x 3	26.7
5 x 5	16
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

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

In the transparent colour the matt finish is not so pronounced as the other matt finished colours. This is to ensure the transparent appearance is not lost. 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 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 Services on 01942 251400.

### 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 the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck 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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