# ROCATEX



# **FGS Ultimate Silicone**

An advanced, low modulus, neutral curing, non-staining, anti-mould, pure silicone sealant and adhesive, 310ml

- 100% pure silicone with a high quality matt finish
- Colour matched to ROCATEX grouts
- · Anti-fungal protects against mould, mildew and bacteria
- Non-staining formula suitable for natural stone and marble
- Easy to tool and highly flexible movement capability up to 50%
- Excellent adhesion to most surfaces (plastics, tiles, paint, glass, metals etc.)
- · Outstanding UV resistance anti-ageing and weather resistant
- Advanced low odour formulation



# **DESCRIPTION**

An advanced low modulus, neutral curing, non-staining, matt finish, anti-mould, pure silicone sealant and adhesive. Suitable for bathrooms, kitchens, wetrooms, natural stone & marble, tiling, plumbing, sanitary, expansion joints, glazing, construction and roofing. Suitable for interior and exterior applications.

# **APPLICATION**

Surfaces must be dry, firm, free from all loose material and contaminants such as dirt, dust, grease etc. Porous substrates must be primed. Apply the sealant firmly into or along the joint. Joint dimensions should be at least 5 x 5mm for indoor and 10 x 8mm (w x d) for outdoor applications. With increasing joint width (up to 30mm), joint depth should be roughly half the joint width. The sealant should be smoothed using a suitable tool and water or non-staining water-based smoothing agent. Working time is approximately 30 minutes (15 minutes for translucent). Do not apply in temperatures below 5°C or above 35°C. ROCATEX FGS Ultimate Silicone must not be used in aquarium construction, as a mirror adhesive or for underwater applications. Not suitable for plastics with generally poor adhesion to silicones (e.g. PE, PP, PET).

### **YIELD**

Metres of joint per 310ml cartridge for the following joint dimensions:

5 x 5mm approx. 12m approx. 3m

# **STORAGE**

Store unopened, clear of the ground, in a cool, dry, frost free environment.

# **CURING**

Rate of curing depends on temperature, humidity and depth of substrate. The data given refer to tests at standard conditions (23°C / 50% relative humidity). Under these conditions, a 10 x 10mm joint will cure in 8 to 14 days. Low temperature, low humidity and joint depth above 15mm will retard skin formation and curing significantly. Data given were determined shortly after production, and may slightly vary with increasing age of product and for different colours. They are not meant for specification purposes.

#### **TECHNICAL DATA**

Conformity - low modulus

Conformity - movement capability

Conformity - non-staining

Application temperature (sealant & substrate)

Temperature stability range (fully cured sealant)

Skin forming time (23°C/50% r.F) Cure rate (within first 24 hours)

Resistance to microorganism (ISO 846)

Density (DIN EN ISO 2811-1) Penetration (DIN 51579 / 5 sec.)

Slump (ISO 7390)

Shore A hardness (DIN 53505)

Tensile strength (ISO 8339-A, 100%)

Volume loss (DIN EN ISO 10563)

Shelf life

#### Colours

ISO 11600 F&G 25 LM 50% (ASTM C 920)

5°C to 35°C -40°C to 150°C app. 30 min

min. 2 mm 0 or 1

 $1,42 \pm 0,04 \text{ g/cm}^3$ 

 $160 \pm 30 \, 1/10 \, \text{mm}$ < 2 mm

 $15 \pm 5$  units

24 months

app. 0,4 N/mm<sup>2</sup> max. 4 %

#### Translucent

ISO 11600 F&G 25 LM 25% (ASTM C 920)

ISO 16938-1, ASTM C 1248 ISO 16938-1, ASTM C 1248

5°C to 35°C -40°C to 150°C

app. 15 min app. 3 mm 0 or 1

 $1,03 \pm 0,03 \text{ g/cm}^3$  $140 \pm 30 \, 1/10 \, \text{mm}$ 

< 2 mm  $20 \pm 5$  units app. 0,4 N/mm<sup>2</sup>

max. 4 % 24 months

# **DECLARED PERFORMANCE**

## Colours



**Rocatex Ltd** 

**DoP No. 020** 

EN 15651-1: Type F ext/int CC (F25LM)

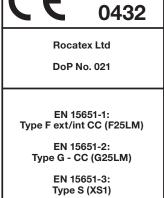
EN 15651-2: Type G - CC (G25LM)

> FN 15651-3: Type S (XS1)

# Translucent



EN 15651-4: Type PW ext/int CC (PW25LM)



#### **HEALTH & SAFETY**



Colours: Contains 2-butanone oxime and a biocide: Carbendazim, silver.

May produce an allergic reaction.

Translucent: Contains 3-aminopropyltriethoxysilan and a biocide: OIT.

May produce an allergic reaction.

Harmful if swallowed. Avoid contact with skin and eyes. In the case of contact with eyes, flush immediately with water and seek medical attention. Use in well ventilated areas. Keep out of reach of children. Do not breathe in vapour. Qualified medical attention should always be sought.

For further information, please request the relevant Material Safety Data Sheet for this product.

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