



TECHNICAL DATA SHEET
CM STONESIL

Page: 1
Compilation Date: 24.08.2022

Description

CM STONESIL is a one component, ready to use silicone sealant intended to stop leaks and mildew growth in internal areas, and for weather sealing applications externally

Properties

CM STONESIL is a non-staining, low modulus silicone sealant that also contains an anti-mould agent. When exposed to atmospheric humidity, CM STONESIL cures rapidly to form a permanent, flexible, and extremely durable weather tight sealant. The cured sealant has a good movement accommodation factor throughout a wide temperature range, resistance to severe weathering is excellent

CM STONESIL meets the requirements to ASTM C 1248 (non-staining), ISO 11600 (Class F & G 25 LM), ASTM C 920 (Class 50), DGNB (Version 2018; ENV 1.2 risks for the local environment, appendix 1, no. 12): fulfils the requirements for quality levels 1-4, LEED 2009 (Fulfills the requirements of IEQ credit 4.1 (VOC-content<5-g/l), VOC-classification (France: A+), EN 1351 (Fire resistance: Class E)

Applications

CM STONESIL is recommended for use to all surfaces, both internally and externally. CM STONESIL is especially suited for bathrooms and kitchens where natural stone (Marble, granite...) has been used. Can also bond to copper

Ideal for:

- Bathrooms
- Kitchens
- Laboratories
- Clinical areas
- Glass to glass joints
- Glass to metal
- Expansions joints in brickwork/render/stonework
- Internal and external windows

CM STONESIL must not be used in aquarium construction, as mirror adhesive, in underwater applications as well as in areas with direct food contact

[Cont...]

Characteristics	
Density (DIN EN ISO 2811-1)	1.42 ± 0.06 g/cm ³
Skin forming time (23°C/50% RH)	App. 30m
Penetration (DIN 51579/5 sec)	180 ± 30 1/10mm
Slump (ISO 7390)	≤ 2mm
Cure rate (within first 24H)	App. 2mm
Shore A hardness (DIN 53505)	20 ±6 units
Tensile strength (ISO 8339-A, 100%)	App. 0.4 N/mm ²
Maximum movement tolerance	25% (ISO 11600) 50% (ASTM C 920)
Volume loss (DIN EN ISO 10563)	Max. 4%
Application temp. (sealants & substrate)	+5°C – 35°C
Temp. stability (fully cured sealant)	-40°C to +150°C
Shelf life (originally closed packages)	24 months

Directions for use

Joint preparation: Before priming thorough preparation is essential. The joint should be completely dry and free from all traces of dirt, dust, grease and any previous sealants or other foreign matter. Normal cleaning may be carried out by wire brushing (hand or machine operated), sand and/or grit blasting. All joints should be blown with clean, dry oil free compressed air ensuring removal of loose matter. When re-sealing old joints prepare by use of mechanical concrete saw or similar to obtain clean contamination free substrate. In all cases a clean bonding surface must be obtained. Following preparation place into the base of the joint a bond breaker or back up foam to form the correct cross section for the joint sealant bonding to the base of the joint. Cleaning of the joint should be prepared with CM MULTI WIPES. In case of porous surfaces such as concrete, timber and epoxy nosing use CM SOLVENT. Allow thirty minutes for the solvent to evaporate. It is important for optimum performance of CM STONESIL that CM MULTI WIPES are used.

Cut off the top of the cartridge just above nozzle thread. Screw nozzle into place and cut the nozzle to the required size at an angle of 45 degrees. Apply by gun – place the nozzle angle flush to the joint and extrude a continuous bead of CM STONESIL into the joint. Move the nozzle along the joint while extruding. Adequate contact between CM STONESIL and the substrate must be ensured to eliminate the possibility of adhesion failure. After sealing release gun pressure.

Tool within 10 minutes of application, using a silicone block or wooden tool lubricated in soapy water

Limitations of use

Colours

CM STONESIL is available in White, Off White, Limestone, Jasmine, Grey, Cement grey, Transparent, Beige, Light grey, Graphite, White moon

Visual colour chart is available at: <https://www.cmsealants.co.uk/colour-charts/>

[Cont...]

Packaging

CM STONESIL is supplied in a 380ml cartridge. Available per tube or per box (25 cartridges in a box)

Storage and shelf life

CM STONESIL has a shelf life of 24 months, guaranteed by CM SEALANTS from its date of manufacture when stored at a temperature between -20°C and +30°C in its original, unopened packaging.

Safety

Consult the Safety Data Sheet for CM STONESIL

Warning to users

CM STONESIL may cause irritation if swallowed or comes into contact with skin or eyes. Qualified medical attention should always be sought. DO NOT INDUCE VOMITING. Wear suitable gloves and face/eye protection. Do not breathe fumes and keep away from source of ignition