

TRITOSIL SG71

Structural Glazing Sealant

TRITOSIL SG71 is a one part, neutral system, moisture curing and high modulus structural silicone sealant that is chemically stable and shows minimal change of property profile after ageing.

APPLICATIONS :

TRITOSIL SG71 has an excellent adhesion to most construction substrates used in curtain wall applications without primer.

TRITOSIL SG71 is developed specifically for structural glazing applications. The mechanical and application properties of **TRITOSIL SG71** are ideally suited for its use in the assembly to a metallic structure following V.E.C. system (Structural Glazing) of light facade manufacture; both 4 and 2 sides.

TECHNICAL SPECIFICATION

Physical Properties	Typical Value
Aspect	Thixotropic paste
Specific gravity	1.36±0.02
Skinning time	7 – 12 min
Slump	< 2 mm
Extrusionability	100 g/min.
Application temperature	+5 °C to +40 °C
Service temperature	-40 °C to +200 °C
Curing speed	2 mm /day
Total adhesion time	21 days
Hardness Shore A	35
Modulus 100%	0,75 MPa
Tensile Strength	1.05 MPa
Elongation at break	170 %

SURFACE PREPARATION

Surface must be clean, dry & free of dirt, dust, grease, oil, mildew, wax, loose paint, frost old caulking. Clean metal surfaces may be primed for best results. To achieve best results, apply only when sealant, air & substrate temperatures are above 10°F & below 100°F

DIRECTIONS

1. Clip off tip of nozzle @ 45° angle to desired size.
2. Use only in well ventilated area.
3. Masking tape along joint sides will assure straight edge & neat appearance.
4. Apply using steady, even pressure to completely bridge joints.
5. Smooth sealant using back of spoon dipped in solution of soapy water, for a neat appearance.
6. Wipe away excess with a paper towel before surface skins.
7. Protect from water until cured (usually 24 hrs).

Note: SEALANT NOT PAINTABLE. Complete painting prior to application of sealant

CLEAN UP

Dry Paper Towel/Rag or Mineral Spirits before cure

LIMITATIONS

- Sealant NOT PAINTABLE
- Requires Solvent Clean-up

FOR BEST RESULTS

- Complete all painting prior to sealant application
- Apply only to properly prepared surfaces; silicone will not adhere to itself or to other sealants; surface air & substrate temperature between 10°F & 100°F.
- Tool applied bead with back of spoon, dipped in soapy water.
- Clean up solvent before cure with Mineral Spirits; after cure remove excess with razor blade; avoid undercutting seal.

PACKAGING

TRITOSIL SG71 is supplied in 300ml cartridge, sausage of 600 ml and drums of 25 Kg. and 240 Kg.

SAFETY

Safety data sheet available upon request.

COLORS

TRITOSIL SG71 is available in Black.

STORAGE AND SHELF LIFE

TRITOSIL SG71 has a shelf life of 12 months from date of production when stored in the original unopened containers at or below 25°C. In countries where high heat and humidity are a factor, special precautions must be taken to store the product in a covered, well-ventilated warehouse and avoid excessive heat conditions.

Note:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. Information on this datasheet is subject to change without notice and should not be used for writing specification. For additional information on specific applications, please contact Triton Middle East, LLC. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supercedes all previous editions relevant to this product. Triton reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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