

MADA FIRE GUARD FIRE AND ACOUSTIC SILICONE SEALANT

Technical Data Sheet

TDS-ACC-R03-Rev1 Fire Guard Silicone Sealant - June 2022



Advantage



Fire
Resistant



Prevents Sound
Flanking
Low VOC



Non-Cracking
& Paintable



Anti-Fungal,
Anti-Bacterial
& Algal Resistant

Product Description

Mada Fire Guard - Fire and Acoustic Silicone Sealant is a single component, neutral cure, gun-grade fire stopping sealant. It is an elastomeric, high performance sealant capable of meeting the joint movement requirements in a fire-rated joints.



TECHNICAL DATA SHEET

Technical Specification

Properties	Applicable standard	Unit	Specifications
Chemical Base	-	-	1-C Silicone
Cure Mechanism	-	-	Moisture
Cure Type	-	-	Neutral
Joint Movement	ASTM C 719	%	±50
As Supplied @ 25°C, 50% RH			
Color	-	-	Black, Grey, White
Consistency	-	-	Homogeneous paste
Specific Gravity	ASTM D 1475	-	1.18 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Skin Over Time	ASTM C 679	minutes	Approx. 6
Tack Free Time	ASTM C 679	minutes	Approx.12
Depth Cure, 24 hrs	Lab Test	mm	~ 2.4
As Cured* – 7 Days @ 25°C, 50% RH			
Hardness (Shore A)	ASTM D 2240	Points	30 – 35
Tensile Strength	ASTM D 412	N/mm ²	≤ 0.50
Elongation	ASTM D 412	%	≤ 500
Young's Modulus	ASTM D 412	MPa	≤ 0.30
Service Temp.	-	°C	-25 to +200

Note:

* Curing time (Skin Over Time & Tack Free Time) may vary depending on climatic condition during application.

* Information on this data sheet is subject to change without prior notice and should not be used for writing specifications.

Product Characteristics

- Mada Fire Guard - Fire and Acoustic Silicone Sealant has been developed for small penetration seal applications where it should be used in conjunction with specified backing materials.
- Mada Fire Guard - Fire and Acoustic Silicone Sealant is available in black, white and grey color. Special color orders may require longer lead time and minimum order quantities.
- Mada Fire Guard - Fire and Acoustic Silicone Sealant is available in standard caulking cartridges (280ml), packed sausages (600ml) and 200 Liter drum.
- Fire Rated Drywall Partitions :
Mada Fire Guard - Fire and Acoustic Silicone Sealant is an Integral component in Mada Plus Fire Rated System. Tested in accordance to ASTM E119 - 45 Minutes to 4 Hours.
- Mada Fire Guard - Fire and Acoustic Silicone Sealant is non corrosive, excellent weather and UV resistance, excellent unprimed adhesion, low VOC and meets EN1366-4:2006 + A1:2001.
- Acoustic Rated Drywall Partitions :
Mada Fire Guard - Fire and Acoustic Silicone Sealant is an Integral component in Mada Plus Acoustic Rated System. Tested in accordance to ASTM E90 & ASTM 413 - STC-40 to STC-79.
- Mada Fire Guard - Fire and Acoustic Silicone Sealant is suitable for application in medical environment due to anti-microbial properties to inhibit the growth of mold & mildew. Tested in accordance to BS ISO 22196 : 2007. Fungal & Algal Resistance tested In accordance to TISI 2321.
- The product should not be used for purposes other than those shown on the Mada Technical Proposal.

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