

# MADA FIRE GUARD ACRYLIC SEALANT

## Technical Data Sheet

TDS-ACC-R02-Rev1 Fire Guard Acrylic Sealant - June 2022



### Advantage



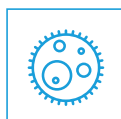
Fire  
Resistant



Prevents Sound  
Flanking  
Low VOC



Non-Cracking  
& Paintable



Anti-Fungal,  
Anti-Bacterial  
& Algal Resistant

### Product Description

Mada Gypsum Fire Guard Acrylic Sealant is a single component, high-performance sealant designed for internal perimeter. It is developed for use as a joint seal in fire resistant and sound insulation Mada drywall systems. As an acrylic based caulk with a tenacious bond regardless of porosity, it is easy to use on virtually any job.

It has good adhesion to a wide variety of substrates without the use of a primer.



# TECHNICAL DATA SHEET

## Field of Application

- Fire blocking applications in the annular space around wires, pipes, ducts, vents, cable lines and other penetrations to the building envelope.
- Sealing joints, voids and irregular holes in firewalls, partitions and other structures also for maintaining the integrity of pipes and cables that penetrate them.
- For internal perimeter pointing of fire rated door and window frames.

## Technical Specification

Properties	Applicable standard	Unit	Specifications
Chemical Base	-	-	1-C Acrylic
Cure Mechanism	-	-	Air Drying
As Supplied @ 25°C, 50% RH			
Color	-	-	White, Grey
Consistency	-	-	Homogeneous paste
Density	ASTM D 1475	g/cm <sup>3</sup>	1.65 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Tack Free Time	ASTM C 679	minutes	5 – 10
As Cured* – 21 Days @ 25°C, 50% RH			
Hardness (Shore A)	ASTM D 2240	Points	55 – 75
Full Cure Time	Lab Test	Weeks	2 – 3
Service Temp.	-	°C	+5 to +85
Application Temp.	-	°C	10 to 45

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

## Product Characteristics

- Mada Gypsum Fire Guard Acrylic Sealant has been developed for small penetration seal applications where it should be used in conjunction with specified backing materials like Mada Backing Rod. Mada Gypsum Fire Guard Acrylic Sealant is available in White and Grey color. Special color orders may require longer lead time and minimum order quantities.
- Mada Gypsum Fire Guard Acrylic Sealant is available in standard caulking cartridges, buckets and drums.
- Fire Rated Drywall Partitions :  
Mada Fire Guard Acrylic sealant is an Integral component in Mada Plus Fire Rated System. Tested in accordance to ASTM E119 - 45 Minutes to 3 Hours.
- Acoustic Rated Drywall Partitions :  
Mada Fire Guard Acrylic 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 Acrylic 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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