



GREE

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TECHNICAL DATA SHEET

Gree Fire Retardant Expansion PU Foam – R18

B1 Class FR Pu Foam

Product Description

Gree R18 is one component, ready to use fire retardant polyurethane foam. It is fitted with German engineered plastic adapter head for use with foam gun or straw applicator. It will expand and cure by moisture in the air. Used for wide range of building application like filling gaps or sealing cracks. Has excellent mounting capacities, High thermal and acoustic insulation properties.

Product Features & Application

Good adhesion to variety of surfaces such as UPVC, Masonry, Brick, block work, glass, steel, aluminum, timber and other substrates except Teflon, PE or PP.

- Installing, fixing, insulation of doors & window frames
- Filling and sealing of gaps, joints, openings and cavities.
- Insulating electrical outlets and water pipes.
- Sealing of all openings in roof constructions.
- Creation of soundproof screen.
- Improving thermal insulation in cooling systems.

Product Properties

Curing System	Moisture – Cure
Tack- Free Time (min)	5~15
Drying Time	Dust-free after 20-25 min
Cutting Time (hour)	> 0.8
Yield (L) - 750ml	35 - 40
Shrink	None
Post Expansion	None
Specific Gravity (kg/m ³)	20 - 25
Temperature Resistance	-40°C - +1400°C
Application Temperature	-5°C - +35°C
Color	Grey
Fire Class (DIN 4102)	B1
Insulation Factor (Mw/m.k)	< 40
Compressive Strength (kPa)	> 100
Tensile Strength (kPa)	> 20 (10%)
Adhesive Strength (kPa)	> 100

GB/T 8626-2007 Flammability of building materials

Test Method	Parameter	Result
GB/T8626-2007 Surface ignition Duration of ignition: 30s	Fs≤150mm	Yes
	Whether to ignition the filter paper	No
GB/T 8626 – 2007 Edge ignition Duration of ignition: 30s	Fs≤150mm	Yes
	Whether to ignition the filter paper	No





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GB/T 20284-2006 Single Burning Item of Building Materials & Products

Parameter	Result
FIGRA 0.2MJ (W/S)	223.414
FIGRA 0.4MJ (W/S)	223.414
LFS<edge of the sample	Yes
THR600S (W/S)	10.826
SMOGRA (M ² /S ²)	243.674
TSP600S (M ²)	263.486
Flaming Droplet/Particles	No

Combustion Performance : Oxygen Index

Standard	GB/T 2406.2-2009
Method of Ignition	A
Result (%)	33.5

Conclusion

The product has reached classification of building materials and combustion performance B1 Grade.

Application

- Shake the Aerosol can for at least 20 seconds.
- Put the adapter on the valve.
- Moisten surface with a water sprayer prior to application.
- Remove pressure from the applicator to stop.
- Fill holes and cavities for 50%, as the foam will expand.
- Repeat Shaking regularly during application.
- If you have to work in layers repeat moistening after each layer.
- Fresh foam can be removed using Foam cleaner or acetone.
- Cured foam can only be removed mechanically.

Packaging

750 ML / Can – 12 Cans / Box

Shelf Life

12 Months from date of manufacturing in unopened packaging stored in a cool and dry place at recommended temperatures between +5°C and +25°.

Always Keep the can with the value pointed upward.

