



PASSIVETEC[®] FS AND FG FOAM

POLYURETHANE FOAM SEALANT

DESCRIPTION

PassiveTec® FS Foam is a one-component polyurethane foam for filling, fixing, and sealing with insulating properties. It is air cured in normal atmospheric conditions. After curing it becomes rigid.

CHARACTERISTICS

- One component, no need for previous mixing.
- High foaming speed.
- Excellent adhesion to most of construction materials without primer.
- Very good insulating properties.
- Very good dimensional stability.
- Cured product can be painted drilled or cut.

TESTED

Fire resistance:

- EN 1366-4, classification EN 13501-2
- BS 476 part 20.
- CSTB n° E 42315
- UNE 23802-79

Fire reaction:

- DIN 4102 B1.

**Resistance to Fire : EN 1366-4,
CLASIFICACION EN-13501-2**

	FS and FG Foam			
	10	20	30	10
Width (mm)	10	20	30	10
Depth (mm)	190	190	190	70
Joint Type	1	1	1	2
Filler	-	-	-	MW
Classification (EI)	EI 180	EI 120	EI 120	EI 240

1: Simple Joint

2: Double Joint

MW: Mineral Wool density 100 KG/M3

PE: Polyethylene Foam



BS 476 part 20. (airated concrete)

wall (mm)	Joint with (mm)	Fire resistance (min)
100	10	132
100	20	69
210	20	257
210	10	300

TECHNICAL FEATURES

Application temperature product	+5 to + 35°C
Surface	+10 to + 35°C
Optimar using temperature:	20° C
Tack free:	8 – 13 min
Can be cut:	1 hours
Cell structure:	Fine, approx 70% Closed.
Compressive strength (At 10% compression):	50 Kpa
Elasticity limit (DIN 53421)	80 Kpa
Thermal conductivity:	35 mW/m°K
Temperature resistance:	-40°C+90°C
Dimensional stability -After 4 week	1 %
Storage	9 months in cold and dry conditions
Yield	Approx 25-30 litres foam

INSTALLATION

Application:

PassiveTec® FS Foam is excellent for use where insulation and fire resistance properties are required such as filling or sealing if joints, cracks and holes in the substrate.

- Between partition wall with ceilings.
- For structural and fitting space between prefab elements.
- Fixing panels (like polyurethane and polystyrene).
- Seams between chimneys, roof protection, roof panels and wall panels.
- For around cables and pipes, break-throughs in walls and ceilings.
- Assembling of door-and window frame instalations.

Treatment of joints:

Surfaces must be cleaned thoroughly prior to application. If necessary the use of a non-greasy cleaning solvent is recommended.

If atmospheric humidity is <40% then wetting the joint prior to application will yield the best results.

Working technique:

- Apply with PassiveTec® FS Foam gun.
- Shake Can thoroughly and attach on to the gun.
- Open the regulating valve.
- Purge the air from the gun first by starting the foam flow.
- Control foam flow by adjusting the valve.

With a gun:

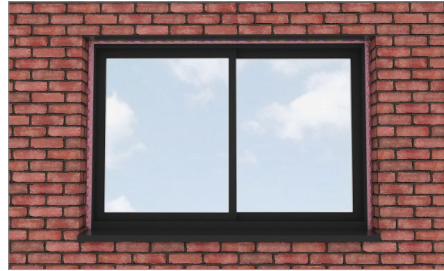
Shake can thoroughly and wind to the gun (not too strong). Open the regulating valve. Press foam out immediately to eliminate the air inside the gun. Control the flow by adjusting the valve.

Hold can upside down during use.

To replace the can, close the regulation valve, unwind the empty can, remove the cured product from the adapter and put a new can without cleaning with a solvent.

Open the regulating valve and press out foam to eliminate the air inside the gun.

INSTALLATION SEQUENCE



Assembling of window frames



Assembling of door frames



Wall partitions

To clean the gun you must clean the mechanism with the gun cleaner. After this, clean and dry the adapter and spray with vaseline.

Important: Always leave the gun with a can of foam and the regulating valve closed.

Hold can upside down during use.

Required quantity:

Depending upon atmospheric conditions applied material should expand to 2 or 3 times its original volume within 60 minutes.

Therefore it is important when applying PassiveTec® FS Foam to fill any joint or hole 50% full to allow for expansion. After 60 minutes review and action as required.



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DISTRIBUTORS

UK & Europe (Excluding Spain)

Shirley McGowan

Email: smcgowan@pfpfiresystems.com

Phone: +44 1452 835686

Spain

Marcos Briceño

Email: mbriceno@passivetec.es

Phone: +34 638 447316

Africa

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

Asia & Australasia

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

North America

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: -1-800-243-6677

Latin America

Email: info@passivetec.com

Middle East

Iain Giffen

Email: igiffen@pfpfiresystems.com

Phone: +44 1452 835686 or +357 99 630618

www.passivetec.com

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