Flexfoam Hand 375

General purpose, hand held polyurethane foam

Description

Flexfoam Hand 375 is one component, self-expanding, high yield polyurethane foam which is hand held and applied using the straw included with the aerosol can.

Flexfoam Hand 375 is developed to react with the humidity to give excellent thermal and sound insulation properties with strong adhesion to common construction substrates.

Applications

Flexfoam Hand 375 can be used for:

- Filling and sealing of gaps, joints, cavities and penetrations.
- Sealing of window and door frames.
- Thermal insulation of wall panels and roof stones.
- Insulating electrical outlets and pipes.

Advantages

- Excellent adhesion to most common building substrates.
- Ease of application without the need of the applicator gun.
- High thermal and acoustical insulation.
- Extended filling capacities.
- Can be over painted when cured.

Limitations

- Sensitive to UV and direct sun light.
- Not recommended for use in contact with Teflon, polyethylene and silicon surfaces.

Method of Use

Surface Preparation

Surfaces must be sound, clean, and free of oil and grease. Spray small amounts of water onto the substrate prior to the application. For cold applications, Flexfoam Hand 375 must be kept in a warm room where the temperature does not exceed 30°C before the application.

Application

Shake Flexfoam Hand 375 well before using, then attached the straw to the aerosol can valve.

Technical Properties:	
Density:	25 ± 5 kg m^3
Tack-free time:	15 ± 5 min
Cutting time: (30 mm bead)	35 ± 5 min
Cure time:	> 18 hr @ 23°C
Application temperature:	5°C to 30°C
Service temperature:	-50°C to 90°C
Volume shrinkage:	> 2%
Compression strength: DIN 53421	2 N/cm^2
Tensile strength: BS 5241	11 N/cm^2
Thermal conductivity:	0.03 W/(m.K)

The discharge rate can be controlled by controlling the pressure on the trigger. Fill half of the cavities' volume and leave the foam to expand in the joint, then refill as necessary. Flexfoam Hand 375 aerosol can must be kept upside down during the time of discharging.

Cleaning

Uncured foam can be cleaned using acetone. Cured material can only be removed mechanically.

Packaging

Flexfoam Hand 375 is is packaged in 275 ml aerosol cans holding 375 g.

Storage

Flexfoam Hand 375 has a shelf life of 12 months from the date of manufacturing if stored in the original unopened cans at temperatures between 5°C and 30°C away from direct sunlight, snow and rain.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

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Cautions

Health and Safety

Flexfoam Hand 375 contains diphenylmethane 4,4-diisocyanate. Apply in well ventilated areas. Do not smoke.

Do not apply near naked flames. In closed areas use force ventilation and carbon active masks. Use protective clothing and gloves.

For further information refer to the Material Safety Data Sheet.

Fire

Flexfoam Hand 375 is flammable.

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- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

Note:
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