FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B - HFC Isocyanate

Description

FROTH-PAK™ 600A - **30 SR HFC B2 Polyol / FROTH-PAK™** 600B - **HFC Isocyanate** is a two-component polyurethane spray foam system. It comes in two pressurized containers. The tanks are linked by hoses to the INSTA-FLO (GHA9) dispensing gun equipped with an Anti-Crossover nozzle, to be ready to spray.
FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B HFC Isocyanate contains an environmentally safe propellant, which complies with the latest EU regulations banning all CFC- and HCFC-propellants.
It meets the requirements of Construction Class B2 per DIN 4102 - 1.

Typical areas of Application

Foamed-in-place insulating air barrier sealant for insulation and air leakage control in the building envelope such as:

- Replacing, repairing insulation in refrigerated containers and warehouses,
- Sealing of mechanical, electrical penetrations in walls, floors, ceilings, attics and roofs; air-sealing around windows & doors,
- Structural support to plumbing, window & door fixation,
- Sound dampening for pools & Spa…

Typical Product Properties

FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B - HFC Isocyanate adheres to most surfaces including wood, metal, masonry, glass and most plastics, with the exception of smooth surfaced polyethylene, silicone, oil and grease or similar substrates. It is recommended to perform a test shot for adhesion performance check.

The fully set foam is predominantly closed-cell and rigid. It is thermally stable between -30°C and 100°C. It is durable and permanent except when exposed to UV-rays. Foam exposed to UV light should be painted or covered.

Using the INSTA-FLO (GHA9) dispensing unit will guarantee superior dispensing control and good quality foam.

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Recommended Process Conditions

Prior to spraying the foam, surfaces must be dry, firm, clean and free of dust, grease or loose particles. Not approved for use on wet surfaces or on substrates with standing water.

For best results, the tanks content should be at 24°C. FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B - HFC Isocyanate can be applied in cold air temperatures (above 5°C) provided the kit contents are at least 24°C. For good adhesion, substrates temperature should be above 15°C.

Recommended Process Application

Getting FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B - HFC Isocyanate ready to use:

- Apply a coating of petroleum jelly to the inside face of the INSTA-FLO (GHA9) dispenser.
- Attach the swivel fitting of the red hose to the ISO tank, and the swivel fitting of the blue hose to the Polyol tank. Tighten securely.
- Slowly open the valve on top of each tank until fully open. Check for leaks.
- Purge the system into a waste container by activating the trigger of the INSTA-FLO (GHA9) dispenser. Chemical streams must be of equal volume to assure good quality foam. When streams are equal, release the trigger, clean the chemical from the dispenser face with a clean rag and reapply petroleum jelly.
- Firmly insert the desired Anti-Crossover Nozzle into the front of the INSTA-FLO (GHA9) dispenser. Be sure the dispenser clips the nozzle firmly in place.

Applying FROTH-PAK™ 600A - 30 SR HFC B2 Polyol / FROTH-PAK™ 600B - HFC Isocyanate:

- Hold the INSTA-FLO (GHA9) dispenser about 15 to 60 cm away from the area you intend to spray. Apply foam by squeezing trigger.
- Move the INSTA-FLO (GHA9) dispenser with a steady back and forth motion when dispensing foam. It is recommended that foam be applied in layers of 5 cm or less in any single application layer.

Replace nozzle when nozzle has not been used for more than 30 seconds.

Handling and Storage

Store and transport canisters always in an upright position and in dry conditions.
Storage temperature: 15°C – 25°C
Shelf life: 15 months

Packaging

Size	Product Name	Part #	Net Weight (kg)
FP600	SHOPOL FP600 30 SR HFC B2 DISP	6001124	19.9
FP600	SHISO FP600 HFC DISP	6001121	20.5

FP600: disposable containers

Typical Physical Properties (1)

	Units	FP600	Test Method
Rise time	Sec.	60	DOW internal method
Free Rise Density	Kg/m3	30	DIN 53420
Apparent k-factor	W/(m.k)	0.030	ASTM C518
Construction Material Class		B2 (2)	DIN 4102-1
Joint sound reduction of filling material	dB	$R_{ST,\ w}(C;C_{tr})$ = 58 (-2;-7) (3)	IFT SC-01 acc. to EN ISO 717
L 820			DOW internal method

1. Based on test methods mentioned, all data are given for non-aged foam evaluated @ 24°C. Variations can be noticed for different application methods and types.
2. Certificate No. 041114 of the MPA BAU Hannover.
3. Test report No. 167 29181, 17 Dec 2004, IFT Rosenheim. Determined for 10 and 20 mm width.
   Maximum achievable sound insulation of the test arrangement: $R_{ST,\ w\ max}(C;C_{tr})$ = 58 (-2;-7).
4. Theoretical volume yield calculations are done in perfect laboratories conditions, without taking into consideration the loss of blowing agent or the variations in application methods and types.

Safety Considerations

Material Safety Data (MSD) sheets are available from Geocel. MSD sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSD sheets are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are available from the nearest Geocel sales office.

Customer Notice

Dow encourages its customers to review their application of Dow products from the standpoint of human health and environmental quality. To help ensure that Dow products are not used in ways for which they were not intended or tested, Dow personnel will assist customers in dealing with ecological and product safety considerations. Your Geocel sales representative can arrange the proper contacts.

Available from: Geocel Limited, Western Wood Way, Langage Science Park, Plympton, Plymouth, PL7 5BG Tel: 01752 334350 Fax: 01752 202065 www.geocel.co.uk

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