# FROTH-PAK™ MINI Kit

## Description

FROTH-PAK™ MINI Kit is a two-component spray applied polyurethane foam designed for small jobs. It comes in a box containing two disposable aerosol cans and a dispensing kit. Once the cans are screwed to the can carrier and the INSTA-FLO dispensing gun equipped with an Anti-Crossover nozzle, the kit is ready for spray. A shoulder strap is attached to the can carrier to carry the kit during application, allowing one-handed foam dispensing.

FROTH-PAK™ MINI Kit contains an environmentally safe propellant, which complies with the latest EU regulations banning all CFC- and HCFC-propellants.

## Typical areas of Application

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

- Walls, floors, ceilings, attics and roofs,
- Structural support to doors, windows and plumbing,
- Replacing, repairing insulation in refrigerated containers and warehouses,
- Sound dampening for pools & Spa…

## Typical Product Properties

FROTH-PAK™ MINI Kit 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.

Theoretical volume yield: 40L

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.

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

## 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.
Important: for best results, the content of the tanks should be at 20-25°C. Temperature deviation has an impact on foam quality. FROTH-PAK™ MINI Kit can be applied in cold air temperatures (above 5°C) provided the kit contents are at least 20°C.

For good adhesion, substrates temperature should be above 15°C.

## Recommended Process Application

Getting FROTH-PAK™ MINI Kit ready to use:

- Apply a coating of petroleum jelly to the inside face of the INSTA-FLO dispenser.
- Shake each can for at least 5 sec. and screw each one to the can carrier
- Purge the system into a waste container by activating the trigger of the INSTA-FLO 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 an Anti-Crossover Nozzle into the front of the INSTA-FLO dispenser. Be sure the dispenser clips the nozzle firmly in place.

Applying FROTH-PAK™ MINI Kit:

- Hold the INSTA-FLO dispenser about 10 to 40 cm away from the area you intend to spray. Apply foam by squeezing trigger.
- Move the INSTA-FLO 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.

Shake the system regularly to ensure best results.
Do not fold the hose of the INSTA-FLO gun for optimum dispensing.
Replace nozzle when it has not been used for more than 20 seconds.

For details on troubleshooting, refer to the Operating Instructions provided with the dispensing kit.

## Handling and Storage

Store and transport cans always in an upright position and in dry conditions.
Storage temperature: 15°C – 25°C
Shelf life: 12 months

## Packaging

2* 500ml tinplate cans
1* Hardware Pak, which includes:
1* INSTA-FLO Gun Hose assembly connected to the can carrier
1* shoulder strap assembly
2* Dispensing Nozzles

## Typical Physical Properties (1)

| | Units | | Test Method |
|---|---|---|---|
| Rise time | Sec. | 30 | DOW internal method |
| Free Rise Density | Kg/m$^3$ | 30 | DIN 53420 |
| Thermal Conductivity | W/(m·k) | 0.0216 (2) | EN 12667 |
| Fire Classification | | E(3) | EN 13501-1 |
| Joint sound reduction of filling material | dB | $R_{ST,w}(C;C_{tr})$ = 58 (-2;-7) (4) | IFT SC-01 acc. to EN ISO 717 |

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. Test report L1-08-073 from FIW
3. Certificate RA08-0348 from CSTB
4. 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).

## Safety Considerations

Material Safety Data (MSD) sheets are available from The Dow Chemical Company. 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 Dow 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 Dow sales representative can arrange the proper contacts

Contact information :
For more information about Spray Polyurethane products, call The Dow Chemical Company :
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