



FROTH-PAK™ 45 Kit QR 180

Description

FROTH-PAK™ 45 Kit QR 180 is a high density two-component polyurethane spray foam. It comes in a box containing two portable, disposable pressurized containers requiring no external power source. The tanks are linked by hoses to the INSTA-FLO dispensing gun equipped with an Anti-Crossover nozzle, to be ready to spray. FROTH-PAK™ 45 Kit QR 180 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 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™ 45 Kit QR 180 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: 260L

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 24°C. Temperature deviation has an impact on foam quality. FROTH-PAK™ 45 Kit QR 180 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™ 45 Kit QR 180 ready to use:

- Apply a coating of petroleum jelly to the inside face of the INSTA-FLO 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 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 dispenser. Be sure the dispenser clips the nozzle firmly in place.

Applying FROTH-PAK™ 45 Kit QR 180:

- Hold the INSTA-FLO dispenser about 15 to 60 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.

Replace nozzle when nozzle has not been used for more than 20 seconds.

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

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

2* Steel Tanks in carton box (Total Net Weight: 11.88 kg)

Accessories:

INSTA-FLO Gun Hose Assembly (GHA9) Part# 158456

White NS Nozzle Part# 187918

Typical Physical Properties ⁽¹⁾

	Units		Test Method
Rise time	Sec.	20	DOW internal method
Free Rise Density	Kg/m ³	45	DIN 53420
Thermal Conductivity	W/(m.k)	0.022	EN 12667
Fire Classification		B2 / E	DIN4102 / EN 13501-1
Compressive strength	kPa	240	EN 826

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.

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 PU Consumer & Building products, call The Dow Chemical Company :
<http://www.dow.com/pusystems/index.htm>

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