VJT High Yield Foam B3

Technical Data Sheet

Description

VJT High Yield Foam B3 is a rapid curing, high yield, one component gun grade expanding polyurethane foam that is suitable for general gap filling, bonding and insulation applications.

Colour

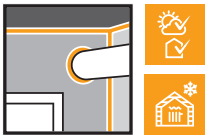
Green

Packaging Options

540 ml pressurised canister
(12 per carton)

Technical Information

Property	Test Method	Results
Composition		Polyurethane foam
Fire Classification	DIN 4102-1	B3
Yield	EN 17333-1	40 litres
Water Absorption	EN 1609	0.2 kg/m^2
Density	LAB 015	10 - 15 kg/m^3
Tack Free Time	EN 17333-3	8 minutes
Cutting Time	EN 17333-1	45 minutes
Loading Time		24 hours
Compressive Strength (10%)	EN 17333-4	21.7 kPa Wet 23.5 kPa Dry
Elongation at Break	EN 17333-4	69% Wet 35% Dry
Thermal Conductivity	EN 12667	36 mW/m.K
Application	Canister: Ambient:	+20°C +5°C to +35°C
Service Temperature		Short Term: -40°C to +130°C Long Term: -40°C to +90°C
Storage	Store in shaded dry conditions between +10°C and +25°C. Store canisters upright. The product is contained in a pressurised container - observe storage instructions and do not apply heat.	
Shelf Life	18 months when stored as recommended in original unopened containers.	



Usage / Purpose

VJT High Yield Foam B3 is suitable for general gap filling, bonding and insulation applications. These include the perimeter sealing and fixing of windows and doors, sealing of non-fire rated service penetrations and sealing around insulation panels.

Key Benefits

- Ideal for filling, sealing and insulating of joints and gaps in a variety of building and construction applications
- High yield application (when used with conical adaptor or straw) – joint requires filling to 60%, prior to postexpansion
- Rapid cure formulation – foam is tack free within 8 minutes, and can be cut or trimmed within 45 minutes
- Forms a strong bond to concrete, brickwork, stone, plaster, wood, fibre concrete, metal, PVC and polystyrene

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Necessary Tools

Foam applicator gun, conical adaptor/straw (for optimal volume), cutting knife and tape for masking of adjacent areas. Use a PU Foam Cleaner to clear gun after use. Unstable areas may need to be clamped or secured during curing.

Protective Equipment

USE IN WELL VENTILATED CONDITIONS and ensure all recommended protective equipment is worn during handling and use of this product. For full recommendation, refer to safety data sheet.

Preparation

- Always carry out a test to confirm compatibility prior to use.
- Protect floor coverings with paper or a plastic film.
- Remove all loose particles, dust and grease.
- A speedier cure can be attained by moistening the substrates if needed.

Application

- Shake the canister vigorously at least 20 times. Remove the protective cap and screw the gun carefully onto the canister.
- Apply conical adaptor
- Invert can and direct nozzle into gap, pressing gently on the trigger to establish the correct flow rate.
- Joints should be underfilled to allow for post expansion of the foam. Fill to approximately 60% of joint depth for optimum results.
- For best results always work with the canister in a vertical position and keep the valve pointed downwards.
- On horizontal surfaces, always work away from the exuded bead and on vertical applications, start at the bottom, working upwards.
- On deep joints, apply in layers, waiting until each layer has skinned and partially cured before applying the next.
- Applying a light misting of clean water before applying each layer will assist adhesion and cure speed.

Cleaning and Maintenance

Clean substrates and gun using PU Solvent Cleaner. Ensure any substrate requiring cleaning is solvent resistant before proceeding. Cured foam can only be removed mechanically.

CLEANING THE GUN

1. Remove all attachments from the gun and spray the gun valve, nozzle and conical adaptor with the gun cleaner
2. Clean the gun valve, nozzle and conical adaptor with a clean cloth
3. Screw the gun cleaner onto the gun
4. Press the trigger until the cleaner sprays through the nozzle
5. After cleaning, wait for 15 minutes
6. Unscrew the gun cleaner from the gun
7. Repeatedly clean the gun valve, nozzle and conical adaptor with a clean cloth until thoroughly clean

NOTE: For maximum longevity, please use a Multi-Protect Spray

Please Note

VJT High Yield Foam B3 is not UV resistant and should be protected from sunlight with a suitable opaque sealant, filler or paint. As with all PU foams, it does not bond to polythene, polypropylene, Teflon®, siliconized or wax- like surfaces.

VJT High Yield Foam B3 offers no fire resistance.

Health & Safety Precautions

Safety data sheet must be read and understood before use. Extremely flammable - keep away from open flames and other ignition sources.

Contains Diisocyanates. May produce an allergic reaction.

As from 24 August 2023 adequate training is required before industrial or professional use.

www.safeusediisocyanates.eu

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