

TECHNICAL INFORMATION FOR

FILL & FIX B3 EXPANDING FOAM



TECHNICAL DATA SHEET

FILL & FIX B3 EXPANDING FOAM (GUN GRADE)



DESCRIPTION

A high quality polyurethane based expanding foam designed to give excellent thermal and acoustic characteristics. Expands up to 30 times its original volume, quick to dry and can be sawn, sanded and painted once fully cured.

Ideal for filling and insulating irregular or awkward gaps where the foam can expand and fill the cavity to prevent heat loss and deaden sound. Can also be used as a temporary fix prior to mechanical anchors being installed to window and door frames. Excellent thermal & acoustic insulation.

DIRECTION OF USE

Ensure surfaces to be treated are free from dust, grease and other loose material. It is important to moisten surfaces slightly before use as this improves adhesion and finished cell structure of the foam. Hold the can of foam upright and fix onto the applicator gun ensuring the threads are lined up. Then shake the can prior to use at least 30 times. To apply foam, turn the can upside down.

We recommend a TIMco PU Foam Applicator Gun is used. To regulate the flow of the foam, loosen the valve at the back of the handle. Only use in temperatures of +5°C to +35°C. Half fill the cavity and lightly spray the foam with water. The foam will expand to fill the rest. When fixing window frames, use wedges to hold the frame in place for approximately 24 hours until the foam is fully cured. Can be cut, sanded, plastered or painted when cured. The foam applicator gun can be left attached to a can of foam to ensure that the entire system is closed if it is going to be reused within approximately 2 weeks. To reuse, simply break the nib of foam at the end of the gun applicator nozzle, shake well and start application. If not to be reused within approximately 2 weeks the can must be cleaned thoroughly using TIMco Fill & Fix PU Foam Cleaner. Before replacing cans, close the gun valve, unscrew empty can and immediately clean the foam applicator gun thoroughly using TIMco Fill & Fix PU Foam Cleaner.



ADDITIONAL INFORMATION

Application Temperature	/	From +5°C to +35°C
Base	/	Polyurethane
Closed Cells	/	70%
Curing Time	/	50-100 minutes
Cutting Time	/	50-100 minutes
Density	/	18-25 kg/m ³
Dimensional Stability	FEICA TM1004	-5% < DS < 0%
Fire Behaviour	/	B3
Joint Sound Insulation	/	58dB
Tack Free Time	FEICA TM1014	8-15 minutes
Temperature Resistance	/	From -40°C - +90°C
Thermal Conductivity	m.K	30-35 W /
Yield	FEICA TM1003	750ml = 35-40 litres

LIMITATIONS

- Not recommended for use on silicone, PTFE, PE, PP or greasy and oily surfaces.
- Not suitable for continuous water immersion or use in enclosed spaces.
- When exposed to sunlight apply sealant or render within 7 days as the foam is not resistant to UV light.
- The foam does provide a barrier to moisture, but allows water vapor to migrate through the foam

SURFACE PREPARATIONS AND FINISHING

Ensure surfaces to be treated are free from dust, grease and other loose material. Can be cut, sanded, plastered or painted when cured.

PAINTABILITY

Can be painted when cured.

CLEANING

Attach a can of TIMco Fill & Fix PU Foam Cleaner and press the trigger several times until all the residual foam dissolves. Never leave the foam gun applicator separated from a can of foam without cleaning the gun thoroughly. Always clean the foam gun applicator before storing. Do not use a metal hammer to release the can from the gun adaptor thread. If necessary, tap gently with a nylon hammer. Do not attempt DIY repairs to the gun. Cured foam can only be removed mechanically.

SHELF LIFE

Shelf life of 18 months after production date. Always store and transport upright in cool, dry conditions between +5°C and +25°C. Do not expose to temperatures above +50°C.

HEALTH & SAFETY

Safety data sheet (MSDS) must be read and understood before use of product. These are available at www.TIMco.co.uk.

FILL & FIX B3 EXPANDING FOAM (HAND HELD)

DESCRIPTION

A high quality polyurethane based expanding foam designed to give excellent thermal and acoustic characteristics. Expands up to 30 times its original volume, quick to dry and can be sawn, sanded and painted once fully cured.

Ideal for filling and insulating irregular or awkward gaps where the foam can expand and fill the cavity to prevent heat loss and deaden sound. Can also be used as a temporary fix prior to mechanical anchors being installed to window and door frames. Excellent thermal & acoustic insulation.

DIRECTION OF USE

Ensure surfaces to be treated are free from dust, grease and other loose material. It is important to moisten surfaces slightly before use as this improves adhesion and finished cell structure of the foam. Remove cap and screw the adaptor firmly into the valve. Shake the can prior to use at least 30 times. To apply foam, turn the can upside down and press the adaptor. Only use in temperatures of +5°C to +35°C. Half fill the cavity and lightly spray the foam with water. The foam will expand to fill then rest. When fixing window frames, use wedges to hold the frame in place for approximately 24 hours until the foam is fully cured. Can be cut, sanded, plastered or painted when cured. Cured foam can only be removed mechanically.



ADDITIONAL INFORMATION

Application Temperature	/	From +5°C to +35°C
Base	/	Polyurethane
Closed Cells	/	70%
Curing Time	/	50-100 minutes
Cutting Time	/	50-100 minutes
Density	/	20-30 kg/m ³
Dimensional Stability	FEICA TM1004	-5% < DS < 0%
Fire Behaviour	/	B3
Joint Sound Insulation	/	58dB
Tack Free Time	FEICA TM1014	5-15 minutes
Temperature Resistance	/	From -40°C - +90°C
Thermal Conductivity	m.K	30-35 W /
Yield	FEICA TM1003	750ml = 35-40 litres

LIMITATIONS

- Not recommended for use on silicone, PTFE, PE, PP or greasy and oily surfaces.
- Not suitable for continuous water immersion or use in enclosed spaces.
- When exposed to sunlight apply sealant or render within 7 days as the foam is not resistant to UV light.
- The foam does provide a barrier to moisture, but allows water vapor to migrate through the foam

SURFACE PREPARATIONS AND FINISHING

Ensure surfaces to be treated are free from dust, grease and other loose material. Can be cut, sanded, plastered or painted when cured.

PAINTABILITY

Can be painted when cured.

CLEANING

To remove unwanted, uncured foam, use TIMco Fill & Fix PU Foam Cleaner with the aerosol canister in the upright position, first remove the transit cap from the top of the can. Separate the spray nozzle from the side of the can carefully keeping the opposite retaining connection intact. At arm's length secure the nozzle to the valve ensuring the spray head is facing away from you. Hold can inverted and push down onto the spray nozzle to operate the aerosol. Direct the spray only on to areas that require cleaning. Once finished remove spray nozzle and replace transit cap for safe storage.

SHELF LIFE

Shelf life of 18 months after production date. Always store and transport upright in cool, dry conditions between +5°C and +25°C. Do not expose to temperatures above +50°C.

HEALTH & SAFETY

Safety data sheet (MSDS) must be read and understood before use of product. These are available at www.TIMco.co.uk.

FILL & FIX FOAM CLEANER



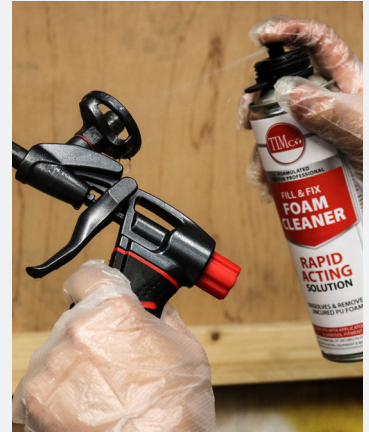
DESCRIPTION

Designed to rapidly dissolve, remove and clean uncured PU foam from surfaces and for cleaning PU foam applicator guns. Complete with dual fitting nozzle for connecting to guns for cleaning or for direct spraying onto surfaces.

DIRECTION OF USE

Aerosol spray: With the aerosol canister in the upright position, first remove the transit cap from the top of the can. Separate the spray nozzle from the side of the can carefully keeping the opposite retaining connection intact. At arm's length secure the nozzle to the valve ensuring the spray head is facing away from you. Hold can inverted and push down onto the spray nozzle to operate the aerosol. Direct the spray only onto areas that require cleaning. Once finished remove spray nozzle and replace transit cap for safe storage.

Gun applicator: First, ensure all traces of foam residue is dissolved completely from around the gun valve area using the spray method above. Remove the spray nozzle. With the gun pointing away from the body, turn the gun applicator upside down and at arm's length, screw the upright canister onto the inverted gun applicator. Do not overtighten as this will break the integral sealing valve. Press the trigger to flush the solvent through the gun for at least 5 seconds, ensuring the gun outlet tip is thoroughly cleaned. To disconnect, place the canister upright at arm's length with the gun pointing away from the body, unscrew the canister whilst pressing the trigger to ensure there is no build-up of the aerosol gas.



LIMITATIONS

- For uncured PU Foam only
- Do not attempt to clean gun applicators that are blocked with cured PU foam
- Users to ensure the item to be cleaned is compatible with this product

SHELF LIFE

Shelf life of 12 months after production date.
Store and transport upright in unopened, original packaging in cool, dry conditions. Do not expose to temperatures above +50°C.

HEALTH & SAFETY

Safety data sheet (MSDS) must be read and understood before use of product. These are available at www.TIMco.co.uk.