

Available item codes:

004008/9, 005010-49, 11146, 10116, 10719/20, 91025, 10184

Product group

Polyurethane adhesive and seam sealer.

Product description

Aquasure+FD permanently bonds, seals and waterproofs hundreds of materials. This unique formula is the industry standard for maximum bond strength, abrasion resistance, flexibility and waterproofing. Physically, Aquasure+FD is a high viscosity gel that cures to an extremely elasticated, clear urethane rubber. Since it is a thermoset urethane, cured Aquasure+FD is impervious to solvents (such as petrol) or extremes of temperature (-30°C to +80°C). Aquasure+FD is ideal for bonding neoprene, fabrics, latex, trilaminates, PVC, Hypalon®, natural and synthetic leather, foams, composites and many plastics. This specialized formula is ideal for sealing stitching and reinforcing high stress areas on wet suits, dry suits, Hypalon and PVC boats and hundreds of other items. Aquasure+FD also makes an ideal abrasion patch for high wear areas such as knees, seats and luggage bottoms. Seals and repairs made with Aquasure generally last the life of the item.

Characteristics and uses

Concentrated urethane rubber formula. Minimal shrinkage. Requires only one application. Thermoset rubber, unaffected by solvents or extremes of heat or cold (-30°C to +80°C).

Refer to Safety Data Sheet for more detailed information.

Accelerator

Cure Accelerator+X.

Surface condition

Clean and dry surface, using isopropyl alcohol. Non-fabric surfaces such as latex should first be keyed with sandpaper, and then cleaned.

Instructions for use

Apply using a brush, spreader or adhesive gun.

— Application

- For seams apply a 2mm thick bead, overlapping seam edges by at least 5mm. Apply with slight pressure to saturate fabric surfaces.
- For holes and tears, create backing with removable tape and fill void, overlapping void edges by 5mm. Remove tape after full cure.
- For patch application on fabrics and breathable laminate, apply Aquasure+FD, then apply patch over damaged area. Wipe away excess adhesive.
- For high wear areas apply thin layer of Aquasure+FD and apply patch.

**Instructions for when using
Cure Accelerator+X**

- Mixing ratio (by volume) 1 part Cure Accelerator+X with 4-5 parts Aquasure+FD.
- Mix thoroughly on a non-absorbent surface.
 - Immediately apply the mixture.

Application Recommendations

- Conditions T Temperature 5 - 35°C.
Relative humidity **There is no recommendation on humidity other than that you need some.**
Higher temperatures will give faster cure times than higher humidity.
- Equipment Firm brush. Plastic spreader or caulking gun, manual or pneumatic.
- Number of coats Apply in one even coat. If necessary multiple coats can be applied.
- Cleaning of equipment Isopropyl alcohol..

Drying Times

10 - 14hrs. (Dependent on temperature and humidity).
2 - 4 hrs with Cure Accelerator+X. (Dependent on temperature and humidity).

Physical & Chemical properties

PHYSICAL FORM	ODOUR	RELATIVE DENSITY	WATER SOLUBILITY	CHEMICAL STABILITY	FLASH POINT (°C)
Liquid, viscous, colourless	Characteristic of solvents	0.98	Insoluble	Stable under normal conditions	-25

SOLVENT CONTENT	VISCOSITY
25%	39.000 - 61.000 mPa*s @ 23°C

Refer to Safety Data Sheet for more detailed information.

Storage

Store original packed tubes in a cool dry place. Storage for opened tubes: Advance contents to tube neck. Wipe clean and cap. Keep in a cool dry place or, for extended life, in freezer. (For thawing or for easier flowing contents, soak firmly closed tube in warm water for 15 minutes. Let fully dry outer tube before opening it)

Packing & Size

28g tube in clamshell or loose. 2x7g tubes in clamshell or loose.
250ml OEM tubes. 310ml cartridge for calking gun.

Safety precautions

Wear protective clothing and gloves at all times. Use only in well ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.

Supplementary information

Please note: The European Commission has amended Annex XVII of the REACH Regulation (EC) (new No. 74) with Regulation (EU) 2020/1149, which regulates the restriction of substances/mixtures containing > 0.1 % diisocyanates: **As from 24 August 2023 adequate training is required before industrial or professional use.** More information on the status of the development of the training concept can be found at ISOPA/ALIPA. (<https://www.safeusediisocyanates.eu/diisocyanates-reach>)

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Contains isocyanates. See information supplied by the manufacturer.

Hazardous Ingredients: Diphenylmethane-4,4'-di-isocyanate, Xylene.

H & P statements

GHS02:
FLAME



GHS07:
EXCLAMATION MARK



GHS08:
ENVIRONMENTAL

Signal words: Danger

H226; H315; H319; H334; H335; H373. EUH 204; EUH208. P101; P102; P210; P271; P304+P340; P342+P311; P370+P378; P405; P501.

Refer to Safety Data Sheet for more detailed information.

Warranty

The information provided is to the best of our knowledge. However, we, do not assume legal responsibility for use or reliance there on. We disclaim all warranties expressed or implied including the fitness for a particular purpose. Data may be subject to modification without previous notice. Please check validity.

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