

PRODUCT DATA SHEET

EVERBUILD® MITRE FAST®

Two part instant adhesive system

PRODUCT DESCRIPTION

Mitre Fast® Bonding Kit is a two part instant adhesive system comprising a cyanoacrylate adhesive and aerosol activator. Mitre Fast® is mainly used in the furniture, timber, kitchen and plastics industries where its instant bonding properties dramatically reduce assembly times for mitre joints when compared to conventional wood adhesives. Also suitable for bonding of MDF, rubber, PVCu, metals etc.

USES

- Multitude of industrial applications: Bonds MDF, wood, chipboard, rubber, plastics, Perspex, uPVC ceramics, aluminium and metals.
- Ideal for all cornice and profile mitres, trims, picture frames, MDF, skirting and architrave joints, worktop end strips, PVCu trims and much more. It is particularly useful for production lines such as electronics assembly and uPVC window trim bonding.

CHARACTERISTICS / ADVANTAGES

- Bonds most surfaces within 10 seconds, cutting down dramatically mitre assembly bonding times when compared to conventional wood adhesives.
- High viscosity adhesive – Reducing absorption compared to conventional cyanoacrylates on porous surfaces (eg wood)
- Gap filling – high viscosity adhesive will fill small gaps in joints (up to 0.2 mm)

Mitre Fast Activator

Chemical Base	N,N-DIMETHYL-PARA-TOLUIDINE
Appearance	Colourless
Propellant	Liquified hydrocarbon

Mitre Fast Adhesive

Base	Monomeric Ethyl cyanoacrylate
Solids	100 % active
Thermal Conductivity	0.2 w/k.m
Gap Filling Capability	Up to 0.2 mm
Refractive Index	1.45 (Cured adhesive)
Dielectric Strength	11-13 kV/mm
Dielectric Constant	5.2 @ 1MHz (cured adhesive)
Softening Point	165 °C
Working Temps	-20 to +80 °C

PRODUCT INFORMATION

Packaging	Standard Kit - contains 1 x 50 g Adhesive and 1 x 200 mL Activator Large Kit - contains 1 x 100 g Adhesive and 1 x 400 mL Activator Separate 50 g Adhesive and 200 mL Activator are available
Colour	Clear
Shelf Life	12 months from date of manufacture in original unopened containers, depending on temperature of storage.
Storage Conditions	Store in original unopened containers between +4 and +25 °C. Reseal immediately once used. Protect activator from sources of ignition.
Density	Adhesive - 1.07 g/cm ³ Activator - 0.79 g/cm ³
Viscosity	Adhesive - 1,100 mPas @ 20 °C.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

FOR PROFESSIONAL USE ONLY

- Ensure surfaces are degreased prior to bonding.
- Do not use on glass
- Do not use in applications involving constant water immersion.
- Do not use on bitumen or tar leaching products.
- Do not use on load bearing applications
- On wooden/porous surfaces, do not use any other cyanoacrylate except MITRE FAST ADHESIVE.
- The activator can cause yellowing on PVC, excess must be removed immediately after adhesion is complete.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The surfaces to be glued should be clean, dry and free from dust, grease and other contaminants. Materials should be stored in a warm environment prior to bonding to avoid chilling of the glue line, which leads to extended setting times. Where possible, ensure working environment has a relative humidity of +50 %.

APPLICATION METHOD / TOOLS

- Spray one surface with activator.
- Apply adhesive sparingly to other surface.
- Bring together, position and hold for about 10 seconds.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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