

# Joint & Stick Data Sheet



Joint & Stick is used to bond Cordek Filcor (EPS) to most common materials used in construction and for fixing, jointing, and sealing Cordek formwork systems.

The product is a high performance, highly durable, flexible, waterproof, single component MS Polymer joint sealant and adhesive.

## Key Features

- Bonds Cordek Filcor (EPS) to most common materials used in construction
- Provides a bonding, sealing and jointing detail for Cordek formwork systems
- Resists temperatures from -40°C to 100°C
- Approximate curing rate 3mm / 24h (23°C/50% R.H.)
- Applied using a standard cartridge gun

## Installation

### Bonding

Ensure that surfaces to be jointed / bonded are clean, dry, and free from dust, grease, or other contaminants as this can impede adhesion.

Apply adhesive to one surface in a wavy pattern using a manual or pneumatic cartridge gun then bring the two surfaces together immediately. If a full bond is required, gun the adhesive onto the surface and comb out using an adhesive spreader prior to bringing the surfaces together.

It is important to leave a bond line with this type of elastomeric adhesive, i.e. the adhesive layer should be between 1mm and 2mm thick, do not squeeze the bond line to zero.

Joint & Stick will bond in wet conditions, but the final strength may be reduced. Prior testing is strongly recommended. Not suitable for use on Polypropylene, Polyethylene, Polythene and Teflon.

### Formwork Jointing

Joint & Stick has been developed to enhance the connections of Cordek formwork, (formwork-to-formwork). Bespoke formwork sections can be supplied with factory applied detailing on connecting edges in readiness for site applied Joint & Stick.

Cordek formwork sections are installed on-site with tightly butted connections. Butt joints of adjoining sections are finished with the application of Joint & Stick, applied using a manual or pneumatic cartridge gun. Apply Joint & Stick to the joint detail ensuring the bead remains slightly higher than the surface. After application, use a sealant applicator dipped in soap water to smooth the finished joint. Formwork sections can be masked using a suitable tape prior to the application of Joint & Stick for a neat and quick installation.

**Application Temperature: +8°C to +30°C**

For further information, please contact the Cordek technical team on 01403 799600, [techsupport@cordek.com](mailto:techsupport@cordek.com) or consult our website at [www.cordek.com](http://www.cordek.com).



## Cleaning

Tools can be cleaned with Methyl Ethyl Ketone (MEK), or acetone before the sealant has completely cured. After curing, abrasion is necessary.

**Important Notes:** When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer / supplier.

Ensure any cleaning products, solvents, and organic materials, do not come in to contact with the Filcor (EPS).

## Product Size

Supplied in boxes containing 12 no. 290ml cartridges and nozzles.

## Coverage

1 no. 290ml cartridge will provide approximately 10 linear meters of 6mm diameter bead.

Physical Properties	
Base:	MS Polymer
Consistency/Appearance:	Thixotropic Paste
Colour:	White
Density at 20°C:	1.34
Application temperature:	8 - 30°C
Sagging (ISO 7390):	< 2mm
Skin Formation	ca. 20 - 30 min (23°C/50% relative humidity)
Curing Rate:	3mm / 24h (23°C/50% R.H.)
Shore A Hardness (internal method IT-20 after ISO 868 – 3 seconds):	> 50 after 14 days
Modulus at 100% (ISO 37):	Approx. 1.0 MPa
Modulus at break (ISO 37):	> 1.8 MPa
Elongation at break (ISO 37):	> 300%
Tear strength (ISO 34):	Approx. 10 N/mm
Volume loss (ISO 10563):	< 2%
Temperature Resistance:	-40°C to +100°C on fully cured sealant
UV Resistance:	Excellent
Compatibility with paints:	Yes, but conduct tests beforehand
Shelf life:	12 Months – see dates on product

## Notes

Joint & Stick is specially adapted for bonding and assembling Cordek Filcor (EPS) to various materials used in the general industry. For difficult materials with low surface energy, perform preliminary tests to determine whether a surface preparation is necessary.

Avoid contact with oils, plasticisers, or substrates like bitumen, asphalt, silicone etc.

Data contained in this document is for information only and is believed to be reliable. Cordek cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for

any specific purpose not mentioned in this data sheet. We advise a bond trial / test to any substrate prior to commencement of any full installation.

### Personal Protective Equipment (PPE)

Please ensure that the appropriate level of PPE is used – refer to the Joint & Stick Safety Data Sheet (SDS) for further information.

Before using this product ensure that you have been supplied with and have carefully read the following information.

- The hazard label (complying with latest CDG/CPL regulations) applied to the container
- Safety Data Sheet, Joint & Stick

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DISCLAIMER: Information contained within this 'Technical Data Sheet' is for guidance only, and it is intended for experienced construction industry workers. It contains summaries of aspects of the subject matter and does not provide comprehensive statements of construction industry practice. As conditions of usage and installation are beyond our control we do not warrant performance obtained. Please contact us if you have any doubt as to the suitability of application. The information provided within this document is based on data and knowledge correct at the time of printing.

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