



SAINT-GOBAIN

durajoint flexband adhesive

**EPOXY ADHESIVE FOR
BONDING DURAJOINT
FLEXBAND MEMBRANE**

DESCRIPTION

durajoint flexband adhesive is a two component, solvent free epoxy resin bedding mortar/adhesive with low slump characteristics. The product has particularly high adhesive characteristics and will cure under damp conditions.

FDA Compliance: **durajoint flexband adhesive epoxy system** components have been selected to be used in accordance with CFR Title 21, 175.105 regulation.

USES

Specifically developed for bonding **durajoint flexband polymer membrane** to prepared concrete surfaces and itself, including potable water retaining structures. As a bedding mortar and adhesive. Repairs where non-slump characteristics is a requirement up to 10 mm thickness. **durajoint flexband adhesive** can be applied in sections up to 20 mm thickness in horizontal locations and 10 mm in vertical locations in a single application without the use of formwork. Greater thickness can be achieved by the application of subsequent layers. Consult the local **a.b.e.**® office for further information.

ADVANTAGES

- Early high strength and therefore minimizes down time
- High peel strengths to membrane
- Good resistance to a wide range of chemicals
- Good adhesion to damp concrete
- High solvent resistance

SURFACE PREPARATION

CAUTIONARY NOTE:

Concrete: Cleaning of the surface to be repaired is best achieved with a light sand, grit blasting, and/or scabbling to remove all loose material, contaminants such as oil, grease, corrosion products or any other deleterious materials followed by vacuuming. Any corroded, exposed steel must be cleaned in a bright finish (shot blasting) and concrete cut back behind the steel to fully expose the back of the bars. **durajoint flexband membrane:** Wipe surfaces prior to bonding with **durajoint flexband solvent wipe** and allow to dry. See data sheet 'Preparation of Surfaces'.

TYPICAL PROPERTIES OF WET MATERIAL

Mix ratio B:A	100:116.5 by weight
Density (mixed)	1.918
Colour:	
Base	Off white
Activator	Black
Mixed material	Grey
Fire resistance	Non-flammable
Consistency	Each component is a heavy paste
Equipment clean up	abe® super brush cleaner

TYPICAL PROPERTIES DURING APPLICATION

Pot Life	1 - 2 hours
Volume Solids	100%
Theoretical coverage per mm	1m ² / litre (smooth level surface)
Practical cure	24 hours
Full cure	7 days
Application temperature range	10 °C - 35 °C

TYPICAL PROPERTIES OF CURED MATERIAL

Compressive	> 80 MPa strength @ 7 days ASTM C109
Flexural strength	> 7 MPa @ 7 days
Tensile strength	> 10 MPa (ASTM C 307) @ 7 days

CHEMICAL PROPERTIES OF CURED FILM

Water resistance	Excellent
Toluene	Good
Ethanol	Moderate
10% Acetic acid	Limited
70% Sulphuric acid	50% Sodium hydroxide
50% Sodium hydroxide	Excellent

BONDING & PRIMING

Priming is not normally required on well prepared porous substrates. Where steel is exposed the cleaned steel should be coated within 3 hours. Apply one full and continuous coat of **abecote 384 primer** and allow to dry before continuing.

MIXING

durajoint flexband adhesive is suitable for hand mixing on a flat clean surface (wear gloves). **durajoint flexband adhesive** components are heavy pastes and should be mixed in manageable amounts (2 L kits) to ensure homogeneity once mixed. Uniformity in colour is an indication of homogeneity. Set up prescribed amounts (do not split kit) of base and activator side by side on a clean board. Mix together by trowel or paint scraper until a streak-free, grey material results. Mixing should be continued for another 5 minutes.

COVERAGE

1 m²/ litre / 1 mm thickness (smooth regular surface).

APPLICATION

In the case of expansion joints or cracks, follow the method statement: **durajoint flexband** application process.

Note: Ensure intimate contact between adhesive and adherands during the “hardening process” by using flat sections of laminated timber as a light weight.

LIMITATIONS

Do not split the kit - use as supplied.

Do not use at temperatures below +5 °C or above 35 °C.

CLEANING OF EQUIPMENT

Tools may be cleaned with **abe® super brush cleaner** immediately after use before the material has had time to cure.

MODEL SPECIFICATION

Two component, solvent free epoxy resin bedding mortar adhesive with low slump characteristics. The mortar /adhesive will be **durajoint flexband adhesive**, a two component, solvent-free epoxy resin system applied in accordance with the recommendations of **a.b.e.®**

PACKAGING

durajoint flexband adhesive is supplied in 2 L containers.

(Product Code: 30780)

HANDLING & STORAGE

This product has a shelf life of 12 months if kept in a dry cool place in the original packaging. In more extreme conditions this period might be shortened.

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HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.®** sales representative.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.®** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot accept any liability for application – because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

a.b.e.® has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.

Please consult our website for our latest datasheets.