

PRODUCT DATA

Date: July 2013

Information Sheet No.: TDS01436-01

EVO-STIK SAFE 80

WATER BASED CONTACT ADHESIVE

EVO-STIK SAFE 80 is a non-flammable polychloroprene rubber latex based adhesive, which changes from white to clear when dry. It is economical in use and gives excellent bond strength and good heat resistance.

RECOMMENDED USE

EVO-STIK SAFE 80 can be used for bonding most types of materials such as textiles, rubbers and plastic laminates to wood, plywood, chipboard etc. It may also be used for bonding smooth porous surfaces of concrete or plaster as well as canvas and expanded polystyrene. Non-porous materials such as metals and painted surfaces may be bonded provided that the adhesive films are allowed to dry completely before the bond is made.

BONDING INSTRUCTIONS

SURFACE PREPARATION

- Substrates to be bonded should be perfectly clean dry and free from dust and grease.
- Smooth or polished surfaces should first be roughened with fine abrasive.
- If degreasing is necessary, a detergent/water treatment should first be considered. If this is inappropriate a suitable solvent e.g. cleaner 5 may be used. It is advisable to check the effects of degreasing solvents on plastics, rubber materials and painted surfaces before carrying out the operation. All traces of cleaning solvents must be allowed to evaporate completely before application of the adhesive.

APPLICATION

EVO-STIK SAFE 80 is suitable for application by brush, paint pad, paint roller or sponge techniques. The use of a notched or serrated spreader is not recommended.

Thoroughly stir the contents of the container before use.

Both surfaces to be bonded should be coated with an even coat of adhesive and allowed to dry. Porous surfaces such as plaster may require a second coat. The milky white opaque adhesive becomes clear when dry. The adhesive dries by evaporation of water into the atmosphere and on porous substrates also by absorption of the water into the pores. The drying time is very dependent on substrate, coating weight, temperature and humidity. Under normal conditions the film dries in 15 - 30 minutes. The process can be accelerated by warming e.g. by radiant heat or by passage of a current of warm air over the surface.

Paint Pad Application - Application by paint pad enables a very even film of adhesive to be applied, ensuring there are no high spots to delay drying. Trials have shown that an area measuring 2m x 600mm can be covered with an even film in approx. 20 seconds, this is even faster than spray application. An even film applied by paint pad dries quickly, in about 10 - 15 minutes depending upon ambient temperature and humidity.

BONDING

- Bring the two dry, coated surfaces into contact within 60 minutes of drying and press together over the entire bond area.
- Apply as much pressure as possible by hand roller, static press or nip roller without causing damage. Sustained pressure is not necessary.

See final page for disclaimer.

Bostik Limited, Ulverscroft Road, Leicester, LE4 6BW England. Tel: +44 (0)1785 272625 Fax: +44 (0)1785 272867

www.Bostik.co.uk

TYPICAL CHARACTERISTICS

Physical Form:	Mobile aqueous emulsion
Colour:	White (colourless when dry)
Chemical Type:	Polychloroprene latex/resin blend
Solvent:	Water
Viscosity (Brookfield RVT, 100rpm at 20°C):	Thixotropic, approx. 2000 mPa.s
Solids Content:	Approx. 53%
Specific Gravity:	Approx. 1.2
Flammability:	Non flammable

PACKAGING

For current pack sizes please contact the customer service department

STORAGE

Store in a dry place in original packaging between 5 and 30°C.

Protect from frost

SHELF LIFE

12 months in its original container stored under the above conditions.

MATERIAL SAFETY DATA

For further information refer to the relevant Health and Safety Data Sheet

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