



VOLSEAL[®] CONNECT ADHESIVE

HIGH STRENGTH POLYURETHANE ADHESIVE

DESCRIPTION

VOLSEAL CONNECT ADHESIVE is a thixotropic, solvent free polyurethane adhesive ideal for bonding a wide range of building materials to one another eg. concrete, brick, metal, stone and wood. VOLSEAL CONNECT ADHESIVE has a high level of mechanical integrity and exhibits excellent bonding characteristics even under damp conditions.

VOLSEAL CONNECT ADHESIVE is easy to mix and apply and requires no primer.

APPLICATIONS

VOLSEAL CONNECT ADHESIVE is a versatile, polyurethane paste adhesive being particularly suitable for all general purpose bonding operations. VOLSEAL CONNECT ADHESIVE may also be used for thin section concrete repairs.

ADVANTAGES

- Colour coded components to ensure correct mixing
- Excellent adhesion to most building materials
- Bonds to damp substrates
- Low odour
- Thixotropic nature facilitates application in both vertical and overhead locations

- Very good chemical properties and cohesive strength
- Resistant to water, weathering, and a wide range of chemicals
- No primer required
- Creep resistant

INSTALLATION

Surface Preparation

Concrete substrates shall be sound, clean and free from dust, dirt, grease, oils, laitance and other contaminants. A roughened or profiled surface will ensure optimum adhesion.

Mild steel and other metallic substrates shall be degreased, power wire brushed or grit blasted and vacuumed free from dust. If the prepared metal surface will not be treated immediately then an anti-corrosive holding primer such as Steelprime must be applied to prevent flash rusting. Please refer to the CETCO Steelprime product data sheet for additional information.

Other substrates shall be sound, clean and free from dust, dirt, grease, oil and any oxidised surface layer.

Mixing

The Base and Curing Agent components shall be



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thoroughly mixed together using a stiff spatula or a slow speed drill with paddle attachment, until a uniform grey mixture has been produced.

Application

The application of VOLSEAL CONNECT ADHESIVE is best achieved using spatula, trowel, serrated trowel or stiff-bristled brush depending on the area to be treated.

a) Bonding surfaces together

VOLSEAL CONNECT ADHESIVE should be applied to each of the two surfaces to be bonded. The two surfaces are then pushed together to achieve the required bond thickness. Excess adhesive should be removed and the joint protected from movement until the resin has set.

b) Patch repairs

Scrape or 'knife in' the VOLSEAL CONNECT ADHESIVE and finish with trowel, palette knife or spatula.

NOTE: For more inaccessible areas, VOLSEAL CONNECT ADHESIVE may be placed into empty cartridges and injected/"gunned" into place using a standard sealant gun.

CURING

VOLSEAL CONNECT ADHESIVE will be hard dry following 8 hours cure @ 20°C. At higher temperatures, this period will be reduced and at lower temperatures this period will be increased. Allow 7 days for optimum mechanical properties and full chemical resistance.

CLEANING

Clean all equipment immediately after use with Toolclean.

LIMITATIONS

VOLSEAL CONNECT ADHESIVE should not be applied at temperatures below 3°C. Do not apply to uncured concrete surfaces.

TECHNICAL DATA

Colour:	Off White
s.g.:	1.5g/cm ³
Pot Life:	20 minutes @ 20°C
Hardness:	Shore D: 60
Tensile Strength:	10N/mm ²
Moisture resistance:	<0.4% increase at 28 Days (BS 6319: part 8)
Tear Resistance	50 KN mm
Shrinkage on curing:	Negligible
Adhesion strengths to substrates:	Steel – 20 N mm sq Aluminium – 12 N mm sq Concrete – 6 N mm sq GRP – 12 N mm sq
Application temperature range:	3 - 30°C
Drying/Curing Time:	Touch dry after 3 hours @ 20°C Hard dry after 8 hours @ 20°C

SIZE & PACKAGING

Material Supplied

VOLSEAL CONNECT ADHESIVE is supplied in 5Kg packs.

Coverage

5Kg of VOLSEAL CONNECT ADHESIVE will be sufficient for 3.35 m² at 1mm thickness.

SHELF LIFE

VOLSEAL CONNECT ADHESIVE has a shelf life of



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TECH DATA continued...



12 months when stored in original, unopened containers, in accordance with the manufacturer's recommendations.

STORAGE

Store in dry conditions, out of direct sunlight at temperatures between 10-25°C.
Protect from frost.

HEALTH & SAFETY

Avoid contact of the material with skin and eyes.
Wear appropriate gloves, overalls and eye protection during use.

Please refer to Material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Department.

NOTES

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee.

Further information is available from our Technical Department.



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