

X-Tite StrongFix S

High strength multi purpose construction adhesive

Product Description

X-Tite StrongFix S is a high strength multi purpose construction adhesive based on a unique polymer formulation. It is suitable for the bonding of a wide range of construction materials. It should only be used if one of surfaces to be bonded is porous e.g. concrete, plaster, wood, etc.

Advantages

- Single component
- No mixing required
- Primerless
- Solvent free
- Easy to use
- Bonds to many common building materials
- Excellent adhesion
- Can be over painted
- Non staining

Uses

Permanent bonding of building materials such as concrete, wood, MDF, chipboard polystyrene, insulation materials, drywall, gypsum board, silicate board, aluminum, tile and PVC. It can also be used to fill gaps and cracks in concrete and plaster before painting.

Laboratory Test Data

Property	Typical Results
Specific Gravity	1.3
Bond Strength BS 1881:	
Wood to Wood	>2 MPa
Wood to Aluminium	>1.5 MPa
Wood to PVC	>1.2 MPa
Tile to Concrete	>2 MPa

On many materials bond failure occurs in the substrate of one of the materials being bonded not in the adhesive.

Application Properties

Open Time	15 minutes
Service Temperature	-20 to 60°C
Cure Time	24 to 48 hours

Color

White

Packaging

Boxes of 12 x 310ml cartridges

Shelf Life

18 months when stored unopened at between 5 to 25°C under shade in a dry environment.

Surface Preparation

Surfaces to be bonded must be thoroughly clean, sound, dry and free from any contaminants such as dust or oils. Any loose or unsound material should be removed.

Aluminum surfaces must be free from any mill oils which are easily removed using X-Shield Substrate Cleaner or X-Shield Solvent

Application

Apply the adhesive using a standard skeleton caulking gun to one of the surfaces to be bonded. Apply in dabs (every 150mm max.) or beads. Always apply adhesive at the edges and corners of panels. Press the surfaces together and tap with a rubber mallet. Support as necessary. The adhesive can be subjected to load after 24 hours at 25°C. At lower temperatures wait for 48 hours before loading.

It is advisable to carry out a test application first to ensure adequate bond for the application proposed.

Cleaning

Clean equipment using water.

Limitations

One of the bonded surfaces must be porous.
Allow adhesive to cure before disposal.
Not suitable for use in immersed conditions
Do not apply when temperatures is below 5°C or above 35°C
Do not smoke when using the product.
Do not use to bond to bituminous surfaces
Do not use to bond polyethylene
Do not use to bond polypropylene
Do not use in immersed conditions.
Do not expose to aggressive chemicals
Do not dispose in to the water system.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATSS') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATSSs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Systems Inc. **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Systems Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.