X-CALIBUR CONSTRUCTION CHEMISTRY

Technical Data Sheet

X-Tech SBR Bond

Multi purpose bonding agent for concrete and cementitious substrates

301450122

Product Description
X-Tech SBR Bond is a ready for use, single component bonding agent. It is based on a synthetic latex polymer and has excellent bond properties.

Advantages
- Easy to use
- Improves adhesion of concrete substrates
- Ready to use
- Excellent resistance to water

Standards Compliance
ASTM C1059 Type II

Laboratory Test Data

Property	Typical Results
Density	1.02 ± 0.02
Viscosity	20 ± 5 cps
Color	Milky White

Coverage
Typically 8m² per liter
Coverage will vary depending on surface profile and porosity.

Packaging
20 and 200 liter drums

Shelf Life
A minimum of 12 months when stored below 35°C under shade in a dry environment.

Installation Guidelines
X-Tech SBR Bond should be applied by experienced personnel. X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Surface Preparation
Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. Saw cut around the edge of the repair to a minimum depth of 6mm. Reinforcing steel should be fully exposed with enough room behind the steel to place the repair mortar.

Priming
Priming should be done immediately prior to application of the concrete or cementitious mortar/screed. Use undiluted straight from the pack. Apply by brush at approximately 8m^2 per liter direct on to the pre-dampened (SSD) surface ensuring complete coverage with no run, ponding or excessive application. For highly porous substrates it should be applied in two applications with the first coat diluted 1 part water to 1 part SBR, ensure the water and are mixed thoroughly. Allow to penetrate fully and while still tacky and then apply a second coat of undiluted product.

Important Note
The surface must still tacky at time of application of the subsequent layer.

Limitations
Do not allow the bond coat to dry out
Do not apply below 5°C or above 40°C.
Avoid skin contact.
Do not dispose off into the water system.
Do not use in permanently immersed conditions
Avoid excessive application.

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.x-calibur.us

Authorized Technical Specialist
Please note that only 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.x-calibur.us for a full list of X-Calibur ATSs.

Datasheet Validity
X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.x-calibur.us to ensure you have the latest version.

Warranties

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. 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 X-Calibur in writing within five working days of being detected. X-Calibur Construction Chemistry 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.** X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.