



Technical Data Sheet

Description

Tek-Bind CHB Single component dry pre-mixed polymer modified sand cement thin bed mortar adhesive specially formulated autoclaved aerated light weight concrete blocks, calcium silicate blocks and panels.

Advantages

- Single component
- Specially developed for hot weather
- High bond strength
- Polymer modified
- Non-toxic
- Interior & Exterior applications

Uses

For AAC lightweight blocks and calcium silicate blocks and panels.

Physical Properties*

PROPERTY	TYPICAL RESULTS
Compressive strength	>18 MPa at 28 days
Flexural strength	>5.5 MPa at 28 days
*The above properties are average laboratory values	

Specification Compliance

ASTM C 579:2001 Method B
BS 4551:1980

Packing

Tek-Bind CHB is available in 50 kg bag.

Coverage

Theoretical coverage rate for one bag of 50 kg would be 11 to 13 m² at 2-3mm thick.

Shelf Life

12 months when stored in factory packed unopened bag, stored in a cool dry and elevated place away from direct sunlight.

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the 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. The substrate must be prepared to create a 'key' for bonding.

The substrate must be primed using clean water to achieve a saturated surface dry prior to application.

Mixing

Tek-Bind CHB is supplied as a single component cementitious product in 50 kg bags. Pour 9.5 to 10.0 liter of clean water into suitable clean container and slowly add the product while mixing with low speed drill (300-500 rpm) with mixing paddle. Mix approximately for 3-5 minutes to achieve right smooth consistency.

Do not over mix or add additional water.

Application

The correct alignment of the first row is of utmost importance and must be ensured.

Apply **Tek-Bind CHB** using an 8 x 8 notched trowel; spread a thin layer (2 to 3mm) of the mortar over the entire contact surface.

Ensure that the blocks are correctly aligned. Remove all excess mortar prior to hardening. Allow a 2 - 2.5 cm gap above the wall between the erected wall and the slab in order to avoid cracks forming.

Working time is typically 45 minutes at 30°C.

Curing

Immediately after application cure continuously with clean water in accordance with good concrete practice for three days.

Precautions

Do not add additional water or re-temper the mix.
Cure only with clean water, do not use any curing compound.
Ensure the temperature of the mortar does not exceed 35°C at the time of mixing.
Do not mix by hand.
Do not apply by trowel.
Do not part mix, use full bag.
Do not apply in rain or wet conditions or at temperature below 5°C.
Do not expose to running water until the product is fully cured for 7 days.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Reference #	TDS / STC /TBCHB
Issue Date:	06/2012
Revision #	1

The information contained herein is to the best of our knowledge, belief, and accuracy. However, hence the conditions of handling and usage beyond our control. We make no warranty of results, and assume no responsibility or liability for any damages or consequential damage incurred by the use of the product. Our products are sold on the condition that the user shall evaluate them, as well as our recommendations. To determine their suitability for a particular purpose. The user is solely responsible for the selection of Spraytek products.



Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae