

Technical Data Sheet

Description

Tek-Bond LCB 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
Appearance	Grey powder
Colour	Grey / White
Compressive strength	>10 MPa at 28 days
Flexural strength	>2 MPa at 28 days
Tensile strength	>1.2 MPa at 28 days
*The above properties are average laboratory values	

Specification compliance

BS 4551:1980

Packing

Tek-Bond LCB is available in 50 kg bag.

Coverage

Theoretical coverage rate for one bag of 50 kg would be 12.5 m² at 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

Ensure that the blocks are clean from dust or loose particles. Blocks surface must be entirely free of oil, grease, corrosion deposits, or other surface deposits.

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

Mixing

Tek-Bond LCB is supplied as a single component cementitious product in 50 kg bags. Pour 11 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-Bond LCB** 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

Saturate the wall with water on a once only basis.

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 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.

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