

Cement Bear

Air/Moisture Barrier & Adhesive

PRODUCT DESCRIPTION

DuROCK **Cement Bear** is formulated with a 100% acrylic emulsion that is field-mixed with Portland Cement. It is a trowel-applied high performance coating for use on non-combustible substrates, as an air and moisture barrier for **DuROCK PUCCS** and **InsulROCK** Systems. **Cement Bear** contains fibres that enhance the cohesive and tensile strength for added durability. **Cement Bear** can also be used as an insulation adhesive.

The low water absorption combined with a high flexural strength makes **Cement Bear** an ideal water penetration barrier for use on exterior wall systems; in particular glass-fibre faced gypsum sheathing, cement board, concrete or masonry substrates. Check with DuROCK for use on other substrates.

As part of an air barrier system for a wall assembly, **Cement Bear** is compatible with most transition membranes comprised of bituminous SBS with fabric or cross-laminated polyethylene backing, as well as bituminous mastics and polyurethane foam sealants. Refer to DuROCK system specifications for product specific guidelines.

STORAGE & MIXING

Store **Cement Bear** above 4°C (40°F) and below 40°C (104°F), off the ground and in a dry place away from direct sunlight. Employ temporary protection measures as needed. Under no circumstances shall **Cement Bear** be permitted to freeze.

Using a stainless steel or corrosion resistant mixing blade and power drill, mix one-half pail of **Cement Bear** with 13.5 kg (30 lbs) Type 10, 20 or 30 Portland Cement. Mix at 400 – 500 rpm, ensuring not to induce air into the product, until a uniform consistency is attained. Let the mixture stand for 5 minutes, then re-mix before use. Do not add water. Accelerators and other additives are prohibited and will void warranty. Discard material that becomes stiff or hard.

APPLICATION & COVERAGE

Substrate must be clean, dry, and free of cracks or loose material. Surface and ambient temperatures must be at least 4°C (40°F) a minimum of 24 hours, and must remain so until **Cement Bear** has dried. Do not apply **Cement Bear** in direct sunlight at temperatures exceeding 30°C (86°F) and protect from winds exceeding 25 km/hr (15 mph) as well as precipitation for at least 24 hours.

Sheathing joints shall not be greater than 6.4 mm (¹/₄ inch) wide. Sheathing board joints wider than 3.2 mm (¹/₈ inch) shall be pre-treated with fibre mesh tape. Refer to system specifications for installation requirements.

Coverage at 1.0 mm dry thickness (1.25 mm wet) is approximately 27 m² (290 ft²) per 19 L (5 gallon US) pail.

TECHNICAL DATA

Air Leakage Rate < 0.02 L/(s.m²) @ 75 Pa
Vapour Transmission Rate > 500 ng/(Pa.s.m²)
Water Absorption Coefficient < 0.004 kg/(m².s^{1/2})
Adhesive Bond Strength > 0.3 MPa

Physical Characteristics:

- Non-Sagging
- Tack-free in 2 to 3 hours
- Pot Life – Approx. ¹/₂ to ³/₄ hour
- Shelf Life – Approx. 3 years
- Cleans up with water

Refer to www.DuROCK.com for the most up-to-date version of this document.