



7.01 XPERT EPICRETE

Epoxy Bonding Agent for Old to New Concrete

PRODUCT DESCRIPTION

XPERT Epicrete is a bonding agent for new to old concrete based on specially selected epoxy resins and hardeners. Also suitable for application of epoxy mortars to damp substrates.

ADVANTAGES

- Moisture tolerant
- Durable
- Easy application
- Excellent adhesion

TYPICAL PROPERTIES

- Pot Life @ 20oC 35 minutes
- Recoat time @ 20oC 18 Hours
- Full Cure 7 Days

PACKAGING

XPERT Epicrete is supplied in pre-weighed 2.5 and 6 Kg kits comprising Base and Hardener. Material Usage 4 - 6 m² per liter.

APPLICATION INSTRUCTION

Preparation: All contacted surfaces must be free of oil, grease or other contamination which may inhibit bond. Any, loose concrete should be removed prior to priming with XPERT Epicrete.

Mixing: XPERT Epicrete is suitable for mixing using a drill and suitable paddle. Add the Hardener to the Base and mix for 3 to 5 minutes to ensure thorough mixing. Only mix that quantity of material, (usually one kit at a time), that can be used within the setting time.

Application: Apply the XPERT Epicrete by brush, roller or spray at the rate of 4 - 6 m² per liter in an even pattern over the substrate. Do not attempt to rework or retemper any partially set product. Avoid waste by using all the kit within 15 minutes of mixing. Liquid epoxy products may exotherm and set prematurely if not used immediately.

Curing: XPERT Epicrete will cure under damp conditions and allow traffic over floor screeds after 24 hours. Allow 7 days for full cure.

TECHNICAL INFORMATION

CATEGORY	PARAMETERS
Typical Engineering Data	@ 70°F (21°C)
Consistency	Brush-able coating
Pot Life	3-5 hrs
Initial Hardness	48 hrs
Full Cure	7 days
Maximum Overlay time	24 hrs @ 20° C
Compressive Strength (ASTM -C 882)	7000 Psi, 50 N/mm ²
Tensile Strength (ASTM-C 882)	2900 Psi, 20 N/mm ²
Flexural Strength (ASTM-C 882)	5000 Psi, 35 N/mm ²
Shear Bond Strength (ASTM-C 882)	3600 Psi, 25 N/mm ²

STORAGE

XPERT Epicrete is an epoxy-based product which must be stored in the original unopened containers.

PRECAUTIONS

Where temperatures less than 5oC or greater than 35oC are encountered, contact our Technical Staff for specific advice. XPERT Epicrete is non-toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water.

Do NOT use solvent. Protective gloves, goggles and clothing should be worn. Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. Where this occurs seek medical advice before continuing use.

NOTE

Material safety data sheets for these and all XPERT products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.