

BONDCRETE 400

Improves Adhesion when Mixed with Cement

Product Description

Pioneer Pro Bond Crete 400 is a modified acrylic emulsion that has been formulated as a modifier for cementitious systems and a bonding and curing agent. It is resistant to hydrolysis and can be used for internal and external applications. It improves the application of plastering, assists in bonding cementitious topping, rendering and repairs mortar. It also improves adhesion when repairing cracked, damaged and spalled concrete.

Key Features

- Modifier for cementitious systems
- Functions as a bonding and curing agent
- For internal and external applications



Product Specifications / Typical Properties / Physical Characteristics

Table 1: Physical Properties

Parameters	Results
1. Color	
-Wet	Milky White
-Dried	Clear
2. Odor	Not putrid or will not give odor similar to rotten egg
3. pH	8-9
4. Solid Content (% by weight)	7-8%
5. Consistency	Flowy
6. Homogeneity	Homogenous
7. Specific Gravity	1.00-1.01

*Typical data only. Information on this data should not be used for writing specifications.

Applications

- Bonding cementitious topping
- Plastering applications
- Added to cement plaster or concrete topping mixture

Application Procedure

A. DIRECTIONS AS A BONDING AGENT

1. Make sure that substrates to be treated are clean and free from contaminants. Smooth substrates must be mechanically roughened. Any existing steel

- reinforcement should be exposed and treated with Pioneer Pro Bond Crete 400.
2. Pre-wet the substrate thoroughly to reduce moisture loss. Freestanding water should be removed.
3. Apply Pioneer Pro Bond Crete 400 by brush or roller.

B. DIRECTIONS FOR TOPPING AND PLASTERING

1. Add Pioneer Pro Bond Crete 400 to cement plaster or concrete topping mixture.
2. Apply the mixture using steel trowel for plastering or topping application.

MIXING PROPORTION:

50 kilos ordinary Portland cement, 150 kilos sand, 4L Pioneer Pro Bond Crete 400, 10-12 L of clean water.

COVERAGE:

Approximately 6-8 square meters per liter as a bonding agent depending on substrate.

Packaging

4L- 4 pcs per box

Storage

Cool, dry place; preferably 3°C maximum and away from direct sunlight.

Shelf Life:

6 months from manufacturing date.

Health and Safety Precautions

Wash hands or skin thoroughly after handling.

If swallowed: Rinse mouth. Do not induce vomiting. Get medical advice/attention if necessary.

If on skin or hair: Rinse skin with water/shower. Wash with soap and water. If skin irritation or rash occurs, get medical advice/attention.

Wash contaminated clothing before re-use.

If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center/physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Collect spillage.

KEEP OUT OF REACH OF CHILDREN.

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Pioneer Adhesives, Inc.
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ISO 9001:2015 and ISO 14001:2015 Certified

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