

PRODUCT DESCRIPTION

ACC™ is protective coating that protects exposed reinforced concrete parts against frost effect, carbonating, and degradation of various salts. The elastomeric nature of ACC™ ensures good crack bridging properties.

PRODUCT FEATURES

- Protects substrates against carbonating, and degradation of various salts.
- Has crack bridging property.
- Forms a flexible, UV resistant, and decorative coating.
- Allows structure to "breathe".
- Easy to apply.
- High durability.

TECHNICAL DATA

Density	1.4 Kg/l
Solid Content	43%
Tensile Strength	4 MPa
Elongation at break	225%
Pull off strength	2.8 N/mm ²
Crack Bridging Capacity	1.7mm
Water vapor transmission	0.52g/m ² /day
Carbon dioxide penetration resistance	NIL
Reduction in chloride ion penetration	97%
Time between application 1 st and 2 nd coats at 22 °c*	12 hrs

*Lower temperatures require more time, higher temperature less time.

PRODUCT USES

Where new and existing concrete and masonry structures require protection from carbon dioxide, sulphur dioxide, oxides of nitrogen, sulphates and UV radiation.

HOW TO USE

SURFACE PREPARATION

Concrete surfaces should be clean, sound and as oil- and water-free as possible. Excessively damaged concrete should be removed.

APPLICATION:

- The mixed grout should be poured steadily from one side only to eliminate the entrapment of air.
- Continuous grout flow is essential.
- Sufficient grout must be available prior to starting.
- The time taken to pour a batch should be regulated to the time taken to prepare the next batch.

In order to obtain the protective properties of ACC™ a minimum rate of 1 coat primer and 2 finish coats is required. The coatings need to be diluted as below:

- Primer coat diluted at 100%.
- 1st coat diluted at 40%.
- 2nd coat diluted at 20%.



Anti-Carbonation Coating - ACC™

LIMITATIONS

- Do not apply on wet or frozen surfaces, or where there is a risk of freezing within the next 24 hours.
- Avoid application in full sunlight or in a strong wind.
- For best results, apply with a brush or roller.
- Applied material has to be protected from rain or frost during the first 24 hours.

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling anti-carbonation coating to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

CLEANUP

Cured material must be removed mechanically.

PACKAGING

20 kg plastic bucket.

STORAGE

Validity of performance specifications: 12 months in intact package protected from excessively high or low temperatures and direct sunshine.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly

ACC™

Anti-Carbonation Coating

testing any application to determine its suitability before committing to production.