



DRI-GARD AC 800

Ready-to-use, water-based, crack-bridging, coloured protective coating system

One-part, low VOC elastomeric protective coating system based on the latest technology in acrylate dispersion. When fully cured, it forms a flexible finish which is slightly breathable but impermeable to water & atmospheric gases. Meets the requirements of EN 1504-2 CE.

FEATURES/BENEFITS

- Reduces carbonation
- Excellent weather resistant
- UV & dirt resistant
- Resistant to temperature changes & de-icing salts
- Open to vapour diffusion
- Alkali-resistant coating system

APPLICATION AREAS

- Concrete protection against aggressive pollutants
- Surface protection for non-accessible & nondriven on exterior areas
- Architectural colour design on fair-
façade concrete structures
- Areas with de-icing salts

PRODUCT DATA

Appearances	Thixotropic pigmented liquid
Packaging	20 kg pail
Storage	12 months from date of production
Storage Condition	Store properly in original, unopened and undamaged sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.

TECHNICAL DATA

Dri-Gard AC 800

Origin	Water-based acrylate dispersion
Specific Gravity	1.35 ± 0.03 kg/l
Solid Content	~ 50 ± 3%
Viscosity	120 ± 3 KU
VOC	Approx. 20 g/l

Dri-Gard AC 800 Primer

Origin	White Liquid
Specific Gravity	1.02 ± 0.03 kg/l
Solid Content	18 ± 2%
Viscosity	13" B4 Ford Cup

APPLICATION CONDITIONS

Coverage	Approx. 0.30 kg/m ² per coat
Touch Dry	Approx. 2.5 hours (at 30°C, 80% R.H.)
Overcoating	4 – 6 hours (at 30 °C, 80% R.H.)

SUBSTRATE PREPARATION

The surface must be dry, sound and free from loose and friable particles, and any other contaminants. Suitable preparation methods are steam cleaning, high pressure water jetting or blast cleaning. New concrete must be at least 28 days old. If required, a levelling pore sealer should be applied. Existing coatings must be tested to confirm their adhesion to the substrate (adhesion strength > 1.0 N/mm²). Existing coatings with lower adhesion strength must be removed by suitable methods and the substrate must be sufficiently sound. It is recommended to carry out adhesion testing on a small scale with Dri-Gard AC 800 prior to full scale operations. Existing solvent-based coating, even well adhering, must be removed completely prior to applying Dri-Gard AC 800.

SUBSTRATE PREPARATION

Standard system based min. total DFT of 150 microns.

Primer:

1 coat of DRI-GARD AC 800 primer – 0.10 kg/m² per coat

Top:

2 coats of DRI-GARD AC 800 – 0.30 kg/m² per coat

For cracks larger than 0.2 mm, suitable repair materials are required prior to the application of Dri-Gard AC 800 system. Please refer to Dritech Chemicals Sdn. Bhd. for more information.

APPLICATION

Application can done by roller, airless spraying or by using worm pumps with variably adjustable discharge flow. Use as-is and do not dilute with >10% by volume of water.

Application must not proceed during rain, high air humidity, frost or frost-threat. Freshly laid layers must be protected from dew, fog, rain and frost.

Do not use product when relative humidity is >85%, rain is imminent or concrete aging is less than 28 days.

TOOLS

Application can be by roller, airless spraying or using worm pumps with variably adjustable discharge flow.

MIXING

DRI-GARD AC 800 is supplied ready to use. Stir thoroughly prior to application.

LIMITATIONS

- Coverage rates depend on condition of the substrate, which may lead to over- or under-consumption.
- The colouring effect on the object also depends on a number of factors, e.g., the light, perspective, surrounding and substrate conditions (smooth/rough, absorbent/impervious).
- The colouring effect is therefore often a matter of subjective judgement. We recommend to apply a trial area with the chosen system/colour code for more accurate judgement of the colour.
- Joining areas should only be applied with a material from the same batch.
- Depending on the chosen shade (e.g. bright yellow, bright red), there might be differences in the opacity and may require application of 2 top coats.
- Smoothly moulded substrates usually require min. 2 top coats.
- Do not use Dri-Gard AC 800 on pedestrian areas, wet surfaces, surfaces with solvents.
- Dri-Gard AC 800 should not be use as pool or tank waterproofing, and should not be applied when rain is imminent.
- Do not apply Dri-Gard AC 800 when relative humidity is more than 85% or when concrete aging is less than 28 days.

HEALTH & SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTE

The information, and, in particular, the recommendations relating to the application and end-use of these products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance to the manufacturer recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. The manufacturer reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.