

Triflex ACS

System Data Sheet

High performance, water based, weatherproof anti-carbonation system for concrete/masonry protection

Properties

- Exceptional resistance to CO₂ and other acid gases
- Waterproof
- High water vapour permeability
- Highly weather resistant
- Elastomeric
- Class 0 fire resistance
- UV resistant
- Non yellowing
- Tough
- Flexible - crack bridging
- Excellent adhesion to concrete and masonry substrates
- Dirt repellent
- Easily cleaned
- Chemical resistant
- Environmentally friendly - water based
- Easy to apply by spray, roller or brush
- Excellent opacity
- Available in a wide range of colours

System Details

Triflex Primer - If necessary, to seal porous substrates and improve adhesion.
Triflex ACS - Anti-carbonation protective coating layers.

Applications

The system is suitable as an anti carbonation, weatherproof, decorative coating for car park walls, columns and soffits.

Substrate Assessment

When applying high performance coatings such as Triflex ACS the quality and in particular the adhesion of any existing coating is critical. If there are any doubts with respect to the previous coating in terms of chalking, adhesion etc, it must be removed.

Substrate Preparation

Generally:

Pressure wash with water at approximately 2000 psi and allow to dry thoroughly.

Ensure all flaking and loosely adhered existing coatings are removed.

Organic growth:

Remove any organic growth with a stiff bristle (not wire) brush.

If necessary, apply Triflex Fungi-Shield Sterilising Solution (8m²/ltr min.)

Next coat applied after approx. 24 hours.

Pore Filling

To improve the anti-carbonation protection and the appearance on heavily pored substrates we recommend that pore filling is carried out prior to coating.

Priming

If the cleaned substrate is porous, chalky or friable:

Apply Triflex AC20 Primer / Sealer (8m²/ltr min.) by airless spray, brush or roller.

Next coat applied after approx. 4 hours.

Triflex ACS Application

Apply Triflex AC20 (6m²/ltr approx.) by airless spray, brush or roller.

Next coat applied after approx. 4 hours.

Apply further coat of Triflex AC20 (6m²/ltr approx.) by airless spray, brush or roller.

Touch dry after approx. 2 hours.

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System Components

Please see the appropriate Product Data Sheet for details about areas of application/ application conditions/mixing instructions (available on request):

Triflex Fungi-Shield Sterilising Solution

Triflex AC20 Primer/Sealer

Triflex AC20

Quality Standard

All products are manufactured to ISO 9001

Substrate Testing

Prior to the commencement of work the contractor must check and only proceed if the equilibrium moisture content of the substrate does not exceed 6% and 75% RH.

Health and Safety

Refer to product Health and Safety data prior to using the materials.

Coverage Rates

The coverage rates given are guidelines based on smooth, level substrates. Allowances must be made if the substrate is uneven, rough or porous.

Drying Times

The drying times stated are dependent upon weather conditions.

Important Notes

It is the Contractors' responsibility to ensure that the substrate is suitable and that the system is applied in all areas in accordance with Technical Data Sheets and Application Guidelines in force at the time.

The advice we can provide on the application of our products is based on extensive development work as well as many years of experience and is given to the best of our knowledge. However, the wide variety of requirements for a building under the most diverse conditions mean that it is necessary for the Contractor to test the product for suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

Test Data

Testing House	Test Details	Test Result	Test Certificate No.
Taywood Engineering	CO ₂ Diffusion	R = 301 metres at 125 micron DFT	4524
Taywood Engineering	CO ₂ Diffusion after 2,000 Hours Accelerated Weathering	R = 320 metres after the equivalent of 5 yrs weathering	4522
Taywood Engineering	Moisture Vapour Transmission Rate	Flux = 83g/M ² .24hr Sp(m) = 0.533	4523
Taywood Engineering	Accelerated Weathering 14,000 hrs (equivalent to 28/30 yrs external weathering)	No significant change	4521
CENTRUM voor het EVALUEREN en TESTEN van het MATERIEEL CEM - Kwartier OOST	Salt mist to ISO 7253	No trace of any damage to film	6434
CENTRUM voor het EVALUEREN en TESTEN van het MATERIEEL CEM - Kwartier OOST	Adhesion to ISO 4624	Adhesion of AC20 stronger than the cohesive strength of concrete	6434
CENTRUM voor het EVALUEREN en TESTEN van het MATERIEEL CEM - Kwartier OOST	Washing - USUBEL - 5,000 reciprocal cycles	Film not damaged in any way	6434
CENTRUM voor het EVALUEREN en TESTEN van het MATERIEEL CEM - Kwartier OOST	Covering Power at 218g per M ²	99.72%	6434