

Triflex DCS

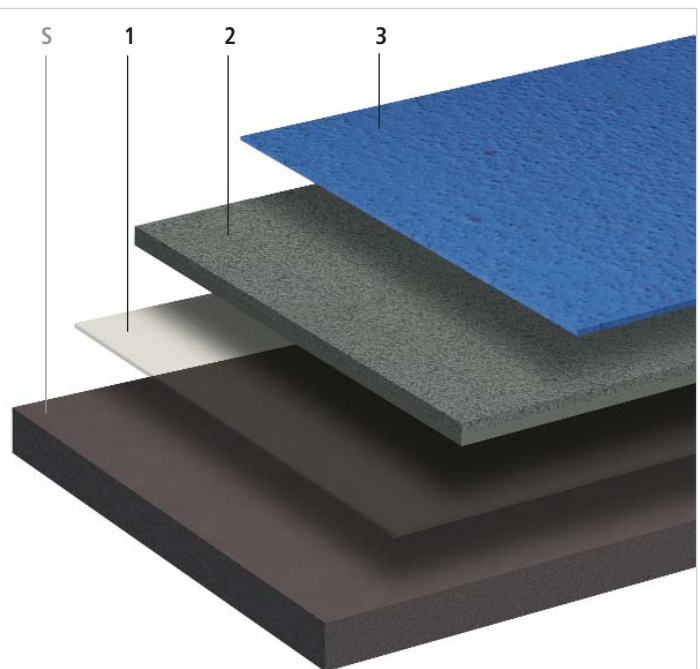
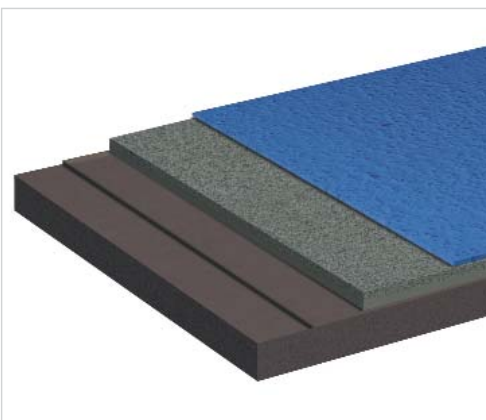
System Data Sheet

Protective, coating system for internal concrete car park decks

Properties

- Water resistant
- Abrasion resistant
- Vapour permeable
- Anti-skid - SRT 70-81
- Exceptionally fast curing
- Low temperature curing-0° c
- Available with the following finish options:
- Cold applied
- UV resistant
- 0.7-1.2mm crystal quartz with pigmented seal
- Seamless
- Solvent free
- 1.0-1.6mm basalt with Traffic Grey pigmented seal
- Chemical resistant
- Isocyanate free
- Resistant to Chloride and Carbon Dioxide ingress
- Tailored design options

System Build Up



- S Substrate
- 1 Triflex Primer
- 2 Triflex Deck Coating Layer
- 3 Triflex Finish

System Details

Triflex Primer - Primer for sealing of substrate and to improve adhesion.

Triflex Deck Coating Layer - Water resistant, protective coating layer with hard wearing crystal quartz or basalt aggregate.

Triflex Finish - Abrasion resistant system seal coat.

Applications

The system is suitable for the protective coating of smooth concrete internal car park decks. For ground floor decks and high volume decks refer to Triflex DFS.

Substrate Preparation and Priming

Substrate	Preparation Notes	Priming
		Triflex DCS
Concrete/Screed	1/2	Triflex Cryl Primer 276
Polymer modified concrete repair materials	1/2	Triflex Cryl Primer 276

For other substrates, consult Triflex (UK) Limited for required preparation methods and priming.

Notes: 1 = Scarify, grind or lightly bead blast.

2 = The equilibrium moisture content of cementitious substrates must not exceed 6% or 75% RH. Where moisture levels are in excess of 6% equilibrium moisture or 75% RH refer to Triflex Pox R103.

Where there are any doubts as to adhesion, carry out an adhesion test.

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Substrate Assessment

In all cases the condition and stability of the underlying substrate should be assessed prior to the commencement of work. See Substrate Testing section. Concrete structures should be designed in accordance with BS8110/CP110.

Substrate Preparation

Refer to substrate preparation and priming schedule.

Generally:

Remove existing paint and finishes etc. by grinding.

Ensure that the prepared surface is clean, dry and free from dust, laitance, grease, oil and any other contaminants.

Priming

Refer to substrate preparation and priming schedule.

Triflex Cryl Primer 276:

Apply with a lambswool roller (0.4kg/m² min.)

Rainproof after approx. 30 minutes.

Can be walked upon/next coat applied after approx. 45 minutes.

Note: For new cementitious materials where it is not practical to allow the substrate to hydrate to below 6% equilibrium moisture content and 75% RH, or for existing cementitious substrates with higher levels of moisture, Triflex Pox R103 can be used where the equilibrium moisture content is less than 10%.

Triflex Pox R103:

Apply with a lambswool roller (0.5kg/m² min.)

Can be walked on after approx. 8 hours.

Next coat applied after approx. 18 hours.

Able to withstand stress after approx. 24 hours.

Surface Repairs and Filling

Repair all minor indentations with scratch coat of Triflex Cryl RS 233. Allow to dry for a minimum of 1 hour.

Larger indentations can be filled with Triflex Cryl RS 240.

Dynamic Cracks and Dayjoints

Remove any existing filler material and fill with Triflex Cryl RS 233.

Apply Triflex Cryl R 210 (1.5kg/m² min.) with a lambswool roller.

Roll a strip of Triflex 110g Reinforcement into the wet resin, pressing trapped air free using the lambswool roller, ensuring a minimum 50mm overlap between the reinforcement sheets.

Apply Triflex Cryl R 210 (1.0kg/m² min.) wet on wet to ensure full saturation of the fleece. Allow to dry for a minimum of 1 hour.

Minimum fleece overlap either side of dynamic crack/dayjoint - 75mm.

Note: Identification of Dynamic Cracks should include a survey of the soffit (where visible).

Main Deck - Deck Coating Layer

Apply Triflex Cryl R 210 (0.8kg/m² min.) with a lambswool roller.

Embed into the wet Triflex Cryl R 210 a full cover of crystal quartz (0.7-1.2mm) or, basalt (1.0-1.6mm), (5.0kg/m²) approx. Allow to dry for a minimum of 2 hours, sweep away excess aggregate and vacuum clean.

Rainproof after approx. 30 minutes.

Can be walked upon after approx. 1 hour.

Next coat applied after approx. 2 hours.

Finish

Main Deck

Apply Triflex Cryl Finish 205 (0.65kg/m² min.), (0.80kg/m² min. if over basalt) using a hard squeegee and a dry lambswool roller.

Rainproof after approx. 30 minutes.

Can be walked upon after approx. 1 hour.

Can be driven upon after approx. 3 hours.

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Expansion Joints

Consult Triflex (UK) Limited for confirmation of design details required.

Interruptions During Works

If work is interrupted for more than 12 hours, use Triflex Cleaner to clean and reactivate the transition area.

Evaporation time: at least 20 minutes - overlay within 60 minutes.

For reinforced details, the subsequent waterproofing layers must overlap by at least 100 mm, including the Reinforcement.

System Components

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

Triflex Cryl Primer 276

Triflex Pox R103

Triflex Cryl RS 233

Triflex Cryl RS 240

Triflex 110g Reinforcement

Triflex Cryl R 210

Triflex Cryl Finish 205

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 he has satisfied the following requirements.

Hardness: All concrete substrates, concrete repair materials, screeds and mortars shall be cured and allowed to achieve a minimum hardness of 25N/mm².

Moisture: Prior to overlay with Triflex systems, the equilibrium moisture content of the substrate must not exceed 6% and 75% RH. For cementitious substrates with higher levels of moisture (less than 10% equilibrium) refer to Triflex Pox R103.

Adhesion: Trial areas to be prepared to ensure that the System achieves a minimum bond to the substrate of:

Concrete, concrete repair materials, screeds and mortars: 1.5N/mm²

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 at +20°C and 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.