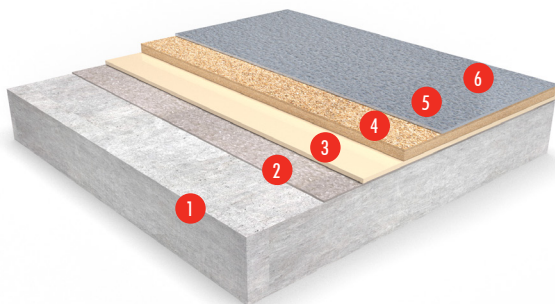


## Deckshield ED2 (3 - 4 mm nominal)

A polyurethane system which provides a colourful crack bridging, waterproof wearing surface for use over exposed decks.



- |   |   |
|---|---|
| 1 Prepared Substrate                      | 4 Deckshield SF + Deckshield SF Filler C or Natural Quartz, Scattered |
| 2 Hydraseal DPM, scattered Natural Quartz | 5 Deckshield Finish   |
| 3 Deckshield PU Membrane                  | 6 Deckshield UV Topcoat (optional)                                    |



### UV Resistant:

100% UV stable formulation prevents surface from deteriorating & yellowing.



### Slip Resistant:

Positively textured anti-slip surface minimises slip and skid risks.



### Chemical Resistant:

Protects against diesel, fuel, antifreeze, hydraulic fluid, chlorides & battery acid.



### Temperature Resistant:

Softens over 70°C and hardens on cooling

Tested to EN1504-2 test standards for the surface protection of concrete

### CRACK BRIDGING PROPERTIES

EN 1062-7 Method A - C.2 @ -10°C	Class A3 > 0.79 mm
-------------------------------------	--------------------

EN 1062-7 Method B - B.3.2 @ -20°C	No cracks
---------------------------------------	-----------

### REACTION TO FIRE

EN 13501-1	D <sub>fl</sub> -s1
------------	---------------------

### SLIP RESISTANCE

EN 13036-4	Class III: >55 Wet Test
------------	-------------------------

### BOND STRENGTH

Measurement of Bond Strength by Pull-off

EN 1542	> 1.5 MPa
---------	-----------

### WATER VAPOUR TRANSMISSION

Diffusion-equivalent Air Layer Thickness (Sd)

EN ISO 7783	Class II: 5m ≤ Sd ≤ 50m
-------------	-------------------------

### LIQUID WATER PERMEABILITY

EN 1062-3	0.0003 kg/m <sup>2</sup> × h <sup>0.5</sup>
-----------	---

### CARBON DIOXIDE PERMEABILITY

Diffusion-equivalent Air Layer Thickness (Sd)

EN 1062-6	>50 m
-----------	-------

### ADHESION AFTER THERMAL COMPATIBILITY

With De-icing Salt Immersion & Thunder Shower Cycling

EN 13687-1&2	≥ 1.5 MPa
--------------	-----------

### ABRASION RESISTANCE (Taber)

EN ISO 5470-1	Weight loss < 3000 mg
---------------	-----------------------

### BEHAVIOUR AFTER ARTIFICIAL WEATHERING

EN 1062-11 4.2 (2000 h)	No blistering, cracking or flaking
-------------------------	------------------------------------

### IMPACT RESISTANCE

EN ISO 6272-1	Class III: 24.5 Nm
---------------	--------------------

### RESISTANCE TO SEVERE CHEMICAL ATTACK

EN 13529 Group 1, 3 & 10	No defects & reduction in Shore Hardness >50%
-----------------------------	---

SPEED OF CURE	10°C	20°C	30°C
Light Traffic	30 hrs	16 hrs	10 hrs
Full Traffic	36 hrs	24 hrs	16 hrs
Full Chemical Cure	12 days	7 days	5 days

## Model Specification

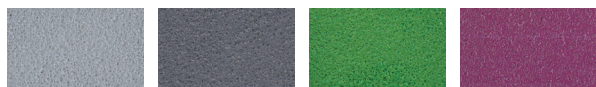
System	Deckshield ED2
Finish	Gloss
Thickness	3 - 4 mm

Preparatory work and application in accordance with manufacturer's instructions.

## Products Included In This System

Primer	Hydraseal DPM @ 0.5 kg/m <sup>2</sup> Scattered with Natural Quartz 0.3 - 0.8 mm @ 0.5 kg/m <sup>2</sup>
Membrane	Deckshield PU Membrane @ 2.0 kg/m <sup>2</sup>
Wearing Layer	Deckshield SF @ 0.75 kg/m <sup>2</sup> + Deckshield SF Filler C or Natural Quartz 0.1-0.4 mm @ 0.25 kg/m <sup>2</sup> Scattered Natural Quartz 0.7 - 1.2 mm @ 2.0 kg/m <sup>2</sup>
Topcoat	Deckshield Finish @ 0.8 kg/m <sup>2</sup>
Topcoat	Deckshield UV Topcoat @ 0.15 kg/m <sup>2</sup>

## Standard Colours



Mid Grey  
(near RAL 7037)

Dark Grey  
(near RAL 7043)

Grass Green  
(near RAL 6010)

Traffic Purple  
(near RAL 4006)



Traffic Blue  
(near RAL 5017)

Tomato Red  
(near RAL 3013)

The applied colours may differ from the examples shown.  
For a full colour chart and samples, contact your local Flowcrete office.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitance, dust and other contamination. Substrate should be dry to 93% RH as per BS8203 (5.5% on Tramex scale). The system is designed to cope with construction moisture but is not designed to resist hydrostatic water pressure. In such circumstances external tanking or pressure relief, by e.g. directed drainage, must be provided to the structure.

NB: Technical proposals are written for each installation to meet the client's particular requirements, the final thickness will be dependant upon the specification.

## Installation Service

The installation should be carried out by a Deckshield approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website [www.flowcrete.eu](http://www.flowcrete.eu).

## Aftercare, Cleaning & Maintenance

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

## Note

No resin system is totally colour fast and may change colour over time (exhibits a yellowing effect). Colour change depends on the UV light and heat levels present and hence the rate of change cannot be predicted. This is more noticeable in very light colours but does not compromise the product's physical or chemical resistance characteristics. We have endeavoured to adopt colours within our standard range which minimise this change.

## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Tremco CPG staff and fully trained application teams.

## Important Notes

Tremco CPG products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Tremco CPG UK Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Tremco CPG UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Tremco CPG UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Tremco CPG UK Ltd. Please consult Technical Team in your own country region for specific details. [17/02/25, 01 UK]