

# CP650

## MULTI-COMPOSITE DRAINAGE & PROTECTION BOARD

### KEY BENEFITS SUMMARY

- High performance two-part drainage mat
- Ideal for drainage and protection of Tremco waterproof membranes
- Designed for both horizontal and vertical installations
- High compressive strength up to 500 kPa can accommodate most heavy site traffic

### PRODUCT INFORMATION

#### Description

CP650 is a two-part prefabricated drainage material and protection board. Available in a range of grades to suit specific installation requirements. The product consists of an extremely strong formed HDPE core covered on one side with a filter fabric.

#### Usage/Purpose

CP650 is used in conjunction with Tremco waterproofing systems. The fabric allows water to pass into the drainage core while retaining soil particles. The plastic core provides compressive strength and allows high capacity flow.

#### Colour

Fabric: White  
Core: Black

#### Packaging

1.1 m x 50 m roll

#### Availability

Direct from Tremco CPG UK Limited (see bottom of leaflet for address and telephone details).

#### Composition

Fabric: Non-woven needle punched and heat treated long staple fibre polypropylene  
Core: High Density Polyethylene (HDPE)

### USAGE GUIDELINES

#### Vertical

Attach CP650 to the membrane utilizing an approved construction adhesive. CP650 can be installed starting at either the top or bottom of the wall. If installed horizontally, the edge of the core with the flange should be at the top. When installed vertically, the flange should be at the upstream edge. This flange position minimises seepage of water behind the drain.

#### Horizontal

The edge of the core with the flange should be at the higher edges (or areas) of the plaza (away from the drains).

#### Corners

Bend CP650 to make inside corners. For outside corners, cut the drain core to reach corner and provide 10 cm of extra fabric to wrap around the corner. Attach to the wall and overlap fabric.

CP650 should be covered within 14 days of installation.

#### Health & Safety Precaution

Safety data sheet must be read and understood before use.

### TECHNICAL DATA

PRODUCT GRADE		4250	4500	7250	7500	APPROX. VARIANCE	STANDARD
Thickness (@ 2 kPa)	mm	4.7	4.7	7.6	7.6	±10 %	EN ISO 9863-1
Mass per unit area	g/m <sup>2</sup>	570	670	870	970		EN ISO 9864
Compressive Strength	kPa	250	500	250	500		
Usable tensile strength MD/CD	kN/m	10 / 10	12 / 10	17 / 12	18 / 12	±10 %	EN ISO 10319
Elongation MD/CD	%	30 / 30	30 / 30	50 / 35	50 / 35	±10 %	EN ISO 10319
CBR puncture resistance	N	2150	2250	2400	2500	-20 %	EN ISO 12236
<b>IN-PLANE WATER FLOW - HORIZONTAL INSTALLATION (HG = 0.01)</b>							
Static load	l/m sec	0.05	0.05	0.17	0.17		EN ISO 12958
Pedestrian traffic	l/m sec	0.04	0.04	0.13	0.13		EN ISO 12958
Vehicular traffic	l/m sec	0.03	0.03	0.1	0.1		EN ISO 12958
<b>IN-PLANE WATER FLOW - VERTICAL INSTALLATION (HG = 1.0)</b>							
2 m depth (20 kPa)	l/m sec	0.95	0.90	2.55	2.50		EN ISO 12958
10 m depth (100 kPa)	l/m sec	0.75	0.70	2.10	2.0		EN ISO 12958
20 m depth (200 kPa)	l/m sec	0.57	0.51	1.60	1.55		EN ISO 12958
Storage	Store in a cool, dry place and protect from direct sunlight						
Shelf Life	24 months when stored as recommended						

#### Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

#### Guarantee/Warranty

Tremco CPG UK Limited products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Limited written instructions and (b) in any application recommended by Tremco CPG UK Limited, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.