DEPLOY

INSTA-SLAB

DATA SHEET

INSTA-SLAB (IS) PROPERTIES

Components	
CCT1 / CCT2	Standard slabs are made of CCT1 (5mm thickness) material. More demanding applications use CCT2 (7mm thickness) material.
Brass Eyelets	Connection point for pegging.
Plastic Strip Cover	Additional protection for slab edges.
Pegs / Anchor Bolts	Depends on the substrate. Soil/Pegs; Rock or Concrete/Anchor bolts.

Dimensions	Unit		Typical Values			
		IS 2	IS 3	IS 4	IS 5	IS 6
Length	m	2	3	4	5	6
Width	m	2	3	4	5	6
Area	m ²	4	9	16	26	36
Eyelet Spacing	cm			79		
Eyelet Inner Diametre	mm			17		
Eyelet Outer Diametre	mm			28		
Strip Cover Width	cm			5		
Strip Cover Length	m			1		
Total Strip Covers	Unit	2	3	4	5	6
Peg Length	cm			15		
Peg Diametre	mm			4		
Peg Head Diametre	mm			20		
Anchor Bolts				M10		

Physical Properties	Test Method	Unit	Typical Values	
			CCT1 TM	CCT2 TM
Mass per Unit Area	BS EN 1849-2	kg/m²	8	12
Density	BS EN 1849-2	kg/m³	1550	1750
Density Increase on Curing	_	% increase	15	25
Peel Strength	BS EN ISO 13426-2	kN/m	4.0	4.5
Working Time from Hydration	_	Hours	1 - 2	1 - 2
Embodied CO ₂ Saving*	ISO14040	% saving	62	62

*Cradle to grave for CCT2 as a percentage of poured concrete.

+44 (0) 7554 098758

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info@deploytechltd.com

www.deploytechltd.com

Information is provided based on current test data and may be subject to change as new information becomes available. The versatile nature of Insta-Slabs means that all application conditions cannot be anticipated. Deploy Tech Ltd makes no warranties and assumes no liability in connection with this information. Project specific testing may be required to determine the suitability for Concrete Canvas® material use in a particular application.



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INSTA-SLAB(IS) PROPERTIES

Mechanical Performance	Test Method	Unit	Typical Values		
			CCT1 TM	CCT2 TM	
Compressive Strength of Cementitious Mix Flexural Strength (at 24 Hours from Hydration (MD))	ASTM D8329	MPa	45	60	
Initial Breaking Load	ASTM D8058	N/m	750	1750	
Initial Flexural Strength	ASTM D8058	MPa	> 4.0	> 4.0	
Final Flexural Strength	ASTM D8058	MPa	10	6	
Pyramid Punture Resistance	BS EN ISO 14574	kN	4.0	7.0	
Freeze - Thaw Resistance (retained Initial Flexural Strength after 200 cycles)	ASTM C1185	%	80	80	
Weathering (UV) Resistance (retained Initial Flexural Strength)	BS EN 12224	%	> 100	> 100	
Microbiological Resistance (retained Initial Flexural Strength)	BS EN 12225	%	> 100	> 100	
Chemical Resistance (refer to CC* Chemical Resistance)	BS EN 14414	-	Passed	Passed	
Root Resistance (refer to CC* Root Resistance Testing)	DD CEN/TS 14416	_	Passed	Passed	

Hydraulic Performance

Abrasion Resistance (cementitious barrier	ASTM C1353	mm /	0.15	0.15
depth of wear)		1000		
		cycles		

Environmental Durability (minimum 120 year expected life - see BBA Cert 19/5685)

The concrete-filled fabirc used in our Slabs is made by Concrete Canvas Ltd. This material has BBA and ISO 9001 certifications

*CC: Concret Canvas

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