

Construction and Restoration Systems: Quick-Reference Guide

	Form-and-Pour/Form-and-Pump Applications				Trowelable/Screed Mortars							Horizontal Cement Overlays			Vertical Repair Mortars				Vertical Cement Overlays		Cement Grouts						Epoxy Grouts		Self-Leveling Toppings	
Product Name	Planitop® 11	Planitop 11 SCC	Planitop 15	Planitop FD	Topcem™ Premix	Topcem Pronto	Mapecem® 102	Mapecem 202	Planitop 18	Planitop 18 ES	Planitop 18 TG	Concrete Renew™	Concrete Renew Fine	Planitop 25	Planitop 12 SR	Planitop 23	Planitop X	Planitop XS	Planitop 200	Tilt Finish™	Planigrout® 712 (flowable*)	Planigrout 728 (flowable*)	Planigrout 740	Planigrout 755 (flowable*)	Planigrout PT	Planigrout 310	Planigrout 350	Ultratop®	Ultratop SP	
Number of Components	1	1	1	1 or 2	1 or 2	1	1	2	1	1	1	1 or 2	1 or 2	2	1	2	1 or 2	1 or 2	1	1 or 2	1	1	1	1	1	3	3	1	1	
Maximum Extension Rate	Pre-extended	Pre-extended	50%, 27.5 lbs. (12.5 kg)	50%, 25 lbs. (11.3 kg)	20%, 10 lbs. (4.54 kg)	N/A	20%, 11 lbs. (4.99 kg)	20%, 11 lbs. (4.99 kg)	80%, 40 lbs. (18.1 kg)	50%, 25 lbs. (11.3 kg)	80%, 40 lbs. (18.1 kg)	N/A	N/A	20%, 12 lbs. (5.44 kg)	N/A	N/A	N/A	N/A	N/A	N/A	25%, 12.5 lbs. (5.67 kg)	25%, 12.5 lbs. (5.67 kg)	50%, 27.5 lbs. (12.5 kg)	30%, 16.5 lbs. (7.48 kg)	N/A	4 bags	4 bags	N/A	N/A	
Yield, Neat Per Mixed Bag	0.65 cu. ft. (0.0184 m³)	0.5 cu. ft. (0.0142 m³)	0.46 cu. ft. (0.0130 m³)	0.43 cu. ft. (0.0122 m³)	0.41 cu. ft. (0.0116 m³)	0.42 cu. ft. (0.0119 m³)	0.48 cu. ft. (0.0136 m³)	0.47 cu. ft. (0.0133 m³)	0.42 cu. ft. (0.0119 m³)	0.41 cu. ft. (0.0116 m³)	0.41 cu. ft. (0.0116 m³)	22.5 - 45 sq. ft. (2.09 - 4.18 m²)	22.5 - 45 sq. ft. (2.09 - 4.18 m²)	0.47 cu. ft. (0.0133 m³)	0.46 cu. ft. (0.0130 m³)	0.36 cu. ft. (0.0101 m³)	0.46 cu. ft. (0.0130 m³)	0.46 cu. ft. (0.0130 m³)	130 sq. ft. (12.1 m²) at 1/16" (1.5 mm)	60 sq. ft. (5.57 m²)	0.43 cu. ft. (0.0122 m³)	0.43 cu. ft. (0.0122 m³)	0.45 cu. ft. (0.0127 m³)	0.47 cu. ft. (0.0133 m³)	0.51 cu. ft. (0.0144 m)	1.62 cu. ft. (0.046 m³)	2.00 cu. ft. (0.0566 m³)	0.5 cu. ft. (0.0142 m³)	0.44 cu. ft. (0.0122 m³)	
Minimum Depth, Neat	N/A	N/A	3/8" (10 mm)	1/2" (12 mm)	1/4" (6 mm)	3/8" (10 mm)	1/4" (6 mm)	1/4" (6 mm)	1/2" (12 mm)	1/4" (6 mm)	1/2" (12 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)	1/4" (6 mm)	1/4" (6 mm)	1/4" (6 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)	1/16" (1.5 mm)	1/2" (12 mm)	1/2" (12 mm)	1/2" (12 mm)	1/2" (12 mm)	1/2" (2.5 cm)	1/2" (12 mm)	N/A	1/4" (6 mm)	3/8" (10 mm)	
Maximum Depth, Neat	N/A	N/A	4" (10 cm)	6" (15 cm)	2" (5 cm)	2" (5 cm)	2" (5 cm)	2" (5 cm)	2" (5 cm)	1" (2.5 cm)	2" (5 cm)	1/8" (3 mm)	1/8" (3 mm)	1" (2.5 cm)	2" (5 cm)	2" (5 cm)	4" (10 cm)	4" (10 cm)	1/8" (3 mm)	1/2" (12 mm)	6" (15 cm)	6" (15 cm)	6" (15 cm)	2-3/8" (6 cm)	2" (5 cm)	6" (15 cm)	N/A	2" (5 cm)	2" (5 cm)	
Maximum Depth, Extended	Full-depth	Full-depth	Full-depth	Full-depth	4" (10 cm)	N/A	6" (15 cm)	6" (15 cm)	Full-depth	6" (15 cm)	Full-depth	N/A	N/A	2" (5 cm)	N/A	N/A	N/A	N/A	N/A	N/A	Full-depth	Full-depth	Full depth	6" (15 cm)	N/A	6" (15 cm)	18" (45.7 cm) per lift	N/A	1-1/2" (3.8 cm)	
Pot Life	~ 30 min.	~ 30 min.	60 min.	~ 30 min.	30 min.	60 min.	20-30 min.	30 min.	~ 15 min.	30 min.	~ 15 min.	20 min.	20 min.	20 min.	> 60 min.	20 min.	5 min.	20 min.	90 min.	25 min.	60 min.	60 min.	60 min.	60 min.	~ 30 min.	120-180 min.	180-240 min.	~ 15 min.	~ 10 min.	
Initial Set (hours:minutes)	> 5:00	> 6:00	> 3:00	1:00	0:50	1:30	0:50	1:00	> 0:12	> 0:45	> 0:15	< 1:30	< 1:30	1:00	3:00	0:50	> 0:06	> 0:40	> 2:00	> 0:25	< 7:00	< 7:00	< 7:00	6:00	~ 6:00	3:00	4:00	N/A	N/A	
Final Set (hrs.:min.)	> 6:00	> 8:00	< 10:00	2:00	< 2:00	3:20	1:10	1:30	≤ 0:30	< 1:50	< 0:40	2:00	2:00	1:10	6:30	1:30	< 0:25	< 1:00	< 8:00	< 1:10	< 9:00	< 9:00	< 9:00	7:30	N/A	8:00	9:00	< 3:00	< 1:40	
Minimum Temperature	45°F (7°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	32°F (0°C)	45°F (7°C)	32°F (0°C)	41°F (5°C)	41°F (5°C)	45°F (7°C)	45°F (7°C)	45°F (7°C)	55°F (13°C)	55°F (13°C)	41°F (5°C)	41°F (5°C)	41°F (5°C)	41°F (5°C)	41°F (5°C)	41°F (5°C)	45°F (7°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	50°F (10°C)	
Compressive Strength – ASTM C109 (CAN/CSA-A5)																														
1 day	> 2,500 psi (17.2 MPa)	> 2,200 psi (15.2 MPa)	> 4,350 psi (30 MPa)	> 3,200 psi (22.1 MPa)	> 2,000 psi (13.8 MPa)	> 1,150 psi (7.93 MPa)	> 5,800 psi (40 MPa)	> 3,100 psi (21.4 MPa)	> 7,800 psi (53.8 MPa)	> 5,000 psi (34.5 MPa)	> 7,800 psi (53.8 MPa)	N/A	N/A	> 3,300 psi (22.8 MPa)	> 2,900 psi (20 MPa)	> 4,060 psi (28 MPa)	> 5,075 psi (35 MPa)	> 3,000 psi (20.7 MPa)	725 psi (5 MPa)	N/A	> 3,600 psi (24.8 MPa)	> 3,600 psi (24.8 MPa)	> 3,500 psi (24.1 MPa)	> 1,750 psi (12.1 MPa)	> 3,000 psi (20.7 MPa)	2,700 psi (18.6 MPa)	9,720 psi (67.0 MPa)	> 2,500 psi (17.2 MPa)	> 2,500 psi (17.2 MPa)	
7 days	> 4,500 psi (31.0 MPa)	> 5,500 psi (37.9 MPa)	> 8,600 psi (59.3 MPa)	> 7,100 psi (49.0 MPa)	> 2,700 psi (18.6 MPa)	> 3,190 psi (22 MPa)	> 7,250 psi (50 MPa)	> 4,950 psi (34.1 MPa)	> 9,400 psi (64.8 MPa)	> 5,500 psi (37.9 MPa)	N/A	N/A	N/A	> 5,800 psi (40 MPa)	> 7,975 psi (55 MPa)	N/A	> 5,800 psi (40 MPa)	> 4,000 psi (27.6 MPa)	> 1,740 psi (12 MPa)	N/A	> 6,200 psi (42.8 MPa)	> 6,500 psi (44.8 MPa)	> 7,250 psi (50.0 MPa)	> 3,800 psi (26.2 MPa)	> 5,000 psi (34.5 MPa)	> 14,500 psi (100 MPa)	> 14,000 psi (96.5 MPa)	> 4,400 psi (30.3 MPa)	N/A	
28 days	> 5,000 psi (34.5 MPa)	> 7,000 psi (48.3 MPa)	> 10,875 psi (75 MPa)	> 8,100 psi (55.9 MPa)	> 3,000 psi (20.7 MPa)	> 4,350 psi (30 MPa)	> 7,975 psi (55 MPa)	> 6,150 psi (42.4 MPa)	> 9,400 psi (64.8 MPa)	> 7,000 psi (48.3 MPa)	> 9,400 psi (64.8 MPa)	> 4,000 psi (27.6 MPa)	> 3,600 psi (24.8 MPa)	> 7,200 psi (49.7 MPa)	> 10,450 psi (72.1 MPa)	> 7,975 psi (55 MPa)	> 6,600 psi (45.5 MPa)	> 5,000 psi (34.5 MPa)	2,900 psi (20 MPa)	> 2,000 psi (13.8 MPa)	> 8,000 psi (55.2 MPa)	> 8,500 psi (58.6 MPa)	> 9,000 psi (62.1 MPa)	> 6,150 psi (42.4 MPa)	> 7,000 psi (48.3 MPa)	> 14,500 psi (100 MPa)	> 15,000 psi (103.4 MPa)	> 6,100 psi (42.1 MPa)	> 6,000 psi (41.4 MPa)	
Compatible with Mapeshield™ I	●	●	●	●	●	●	●	●	●	●	●	N/A	N/A	N/A	●	●	●	●	N/A	N/A	●	●	N/A	●	N/A	N/A	N/A	N/A	N/A	N/A
Interior and Exterior Applications	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Interior only	Interior only
Residential	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N/A	N/A	N/A	●	●	
Commercial	●	●	●	●	●	●	●	●	●	●	●	N/A	N/A	●	●	●	●	●	●	●	●	●	●	●	N/A	●	●	●	●	
Industrial	●	●	●	●	●	●	●	●	●	●	●	N/A	N/A	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Light industrial	Light industrial
Minimum ICRI CSP Needed	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#5	#2	#2	#5	#5	#5	#5	#5	#3	#1	#5	#5	#7	#5	#5	#5	#5	Primer SN™ with sand	Primer SN with sand	
																					* Check Technical Data Sheet for other mix consistencies.									

