



# RAZON ENGINEERING COMPANY PRIVATE LIMITED

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## AN ISO 9001-2008 COMPANY SPRMC 808 S 11 E

Retarder SPRMC 808 S 11 E is a High Range Water Reducer cum Super Plasticizer cum retarder admixture which retards the setting time of cement. Beside it is also a powerful plasticizer. This unique combination of retarder-cum-plasticizer does away with double admixture of retarder + plasticizer where both features are necessary.

SPRMC 808 S 11 E is a High Range Water Reducer Retarder Plasticizer essential for:

- 1 Ready mix concrete plants where long haulage of ready mix mortar is required. Besides retarding, SPRMC 808 S 11 E gives cohesive & uniform mix enhancing concrete rheology profoundly.
- 2 Concrete in arid climate where temperatures above 40<sup>0</sup> - 50<sup>0</sup> Celsius are encountered.
- 3 For large duration of time between pouring and compaction, or when large volume of ready mix concrete is in process; to prevent cold joints.
- 4 If impaction and vibration to concrete is intended to be transmitted via vibration to reinforced steel which reduce bond between shell and initially poured concrete.
- 5 Combined features of retarder & plasticizer are found most useful to pump concrete over long distances.
- 6 Retarder SPRMC 808 S 11 E disperses cement by stearic & electrostatic forces augmenting mechanical mixing ensuring speedy, uniform, cohesive & homogenous mix.
- 7 SPRMC 808 S 11 E is powerful water reducer, which enhances concrete strength, & increases impermeability coefficient of concrete.

It is clear liquid with specific gravity around 1.05, harmless to handle and long shelf life if stored in cool dry place.

Retarder SPRMC 808 S 11 E can be used with any kind of cement. However it is recommended that traffic and tests be carried out before use to establish input output parameters for design mixes. SPRMC 808 S 11 E is completely devoid of chlorides and sulfates and hence has no deteriorating effect on reinforcements. It is also completely devoid of lignin hence considered as latest generation of improved RMC retarder. 0.9 – 1.2% of SPRMC 808 S 11 E to weight of cement is found to delay setting by + 1 hours.

Greater dosages may be used depending upon concrete design, water cement ratio, aggregates, setting time desired, required final strength, slump value requires etc. large retardation is observed, if it is mixed with 1-2 Ltr of gauging water and added to the concrete mix few minutes after adding water.

SPRMC 808 S 11 E shows profound enhancement workability, possesses high wetting properties improves cohesion hence reduces segregation, increases ultimate strength, enhances concrete bonding to steel reinforcements. It is a boon to Ready Mix Concrete products.

No	SPRMC 808 S 11 E	W/C	Cement	Setting Time	28 Days Strength	Slump
1	Nil	0.50	16%	45 min	28 N/mm sq	65 mm
2	300 ml	0.46	14%	1.5 hrs	35 N/mm sq	180 mm

No	PRODUCT DATA	
1	Colour	Clear Amber Liquid
2	Specific Gravity	1.05 +/- 5%
3	PH	7 – 8
4	Dosage	300 ml- 550 ml up to 2% of weight of cement.
5	Packing	55 kgs, 225 kgs.
6	Storage/life	1 yrs, if be stored in cool dry place away from sunlight
7	Toxicity	Nil
8	Corrosion	Nil
9	Cement Compatibility	OPC, PPC.
10	Re-dose-ability	SPRMC 808 S 11 E can be used to enhance slump in case of slump loss in transit mixer due to unforeseen delay.
11	Test Report	Available I S 9103-1979.

## OTHER PRODUCTS

**Coatings:** Rubberised Instant Waterproof Coating • White Water Proofer • Polyurethane Coating - GHF 111 • Triple Layer Polyurethane Waterproof/ Thermal Coating • Primer Coat PU SG 104 • Top Coat PU ALK – 104 • Silver Coat PU 104 • Clear PU Lacquer (gloss) • Clear PU Lacquer (matt) • Coal Tar Epoxy CTE – 110 • Coal Tar Epoxy EP-10 • Epoxy Coating EC-111 • Primer Epoxy Coating PR 111 • Silver Coating SC 203 • Epoxy Floor Coating G-78 AND M-86 • Damp Proofer • Bitumenous Japan Paint 151 • Supreme Waterproof Cement Paint ARcem –101 • Premium Waterproof Cement Paint ARcem –119 • Royal Waterproof Cement Paint ARcem 1100 • Green Chromo Oxide Epoxy Primer •

**Sealants :** Crack Seal • Rubberised Sealer • Instaset 600 • Instaset 2000 • Instaset 2000S

**Admixture:** SPRMC 808 S11 B • Super Plasticizer –IWSP (M) – 101 • Super Plasticizer –IWSP (N) – 103 • Accelerator –2080 • Integral Water Proofer • IWSP –102 • I.W.P. Powder • Intrair (A.E.A) 120N • Master Plaster MP CS 101 • Block Maker BM-10 • Rapid Grout RG –117 • Tile Master TM – 1 • Anchorex 428 • Floor Hardner • Hycrete RJ – 608 • Brick Master • Super Paver • Pipe Master • Toughcrete P109 • Guniting Admixture GS-942 • Non Shrink Grout Admixture NSG A-11

**Other Products :** Tile Fix # 1 • Tile Fix # 1A • Tile Fix SP # 1 • Strextra NSG 110 • Strextra - NSG 2024 • Easy Grout • Water Repellent WBWR – 2023 • Water Repellent SBWR – 5000 • Shutter Coat for Wood & Metal • Concrete Cure Coating – 111 • Concrete Cure Coating – 103 • P.A. Bound • P.A. Mortar TH – 4 • PA. Mortar EF – 1 • P.A. Mortar Slurry • Marble Fix • Floor Repair Mortar • Insta Plugging Mortar • Pipe Joint Sealer • Tile Joint Sealer [Colour] – Red, White, Black, Brown, Ivory, Green, Grey, Pink. • Metal Protect • RZ – Polymer ED Mortar • Special Grouting System • Anti Hack Paint (XRG) • Tuffar • ADMGP – 1 • P A – Resin 651XXX • Hak Safe AL 111 • Paint Remover PR – 128 • COLGROUT Admixture CG – 101S • Rock Splitting Grout ATC-A201 • Ready Plaster • Best Plaster Putty



It is strongly recommended that site trials be conducted using site conditions and available raw materials to evaluate the product. Since site materials and conditions are beyond our control and since above suggestions and recommendations are based on our site trials and laboratory product evaluation & trials, and since methods of use at site are beyond our control. Hence, no guarantee can either be implied or enforceable