



## RAZON ENGINEERING COMPANY PRIVATE LIMITED

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### AN ISO 9001-2008 COMPANY ACCELERATOR -A11 & CATALYST FS -100

Accelerator –A 11 & Catalyst FS 100 is developed for accelerated setting of high strength concrete, particularly pre-stressed members. It is free of chlorides and sulfates, and is designed for accelerated hydration which is many times essential for quicker removal of forms and accelerated pace of construction, however minimum 7-10 days of curing is a must. Normal 28 curing is however recommended. The curing may be by bonding. Wet jute bags covering or water spraying.

Care should be taken before using Accelerator A11 and Catalyst FS-100 to establish working time available so that concrete is placed and vibrated well within the time available when Accelerator-A11 and Catalyst FS-100 is used.

Catalyst FS-100 is added with the aggregates up to 50-10 to the weight of cement. And Accelerator A11 is mixed with gauging water, mix water as usual holding back 5it water mix desired quantity of Accelerator to this 5 it. Of water and add it to the concrete . Mix As usual and pour as usual ensuring placement and vibration of concrete is completed within the workable time available. The combination of AcceleratorA11 and catalyst FS-100 accelerate the hydration reaction of cement ensure faster setting, early high strength and high ultimate strength.

Accelerator –A 11 & Catalyst FS 100 guarantee 100% strength within 24 hours after placing of concrete.

Below mentioned table is an indication of the strength available with Accelerator –A 11 & Catalyst FS 100

#### Typical results with accelerator and Catalyst

NO	Concrete type	Cement kg	Accelerator	Catalyst	24 hrs	28 days
1	M-30	360	50ml/bag of cement	5 kg/bag of cement	30N/mm <sup>2</sup> .	58N/mm <sup>2</sup>
2	M-30	360	Nil	Nil	Nil	32N/mm <sup>2</sup>

ACCELERATOR A 11		
No	PRODUCT DATA	
1	Colour	Milky White
2	pH	7.0
3	Specific Gravity	1.10
4	Storage	Storage cool & dry place.
5	Life	1-2 yrs if stored in cool dry place
6	Packing	20 ltr, m s drum, 50 ltr, carboys, 200 ltr m s drum.
7	Dosage	100ml to 500ml per 50kg cement
8	Cement	OPC or PPC
9	Effect of excess dosage	Premature stiffing is observed in case of excess dosage

Catalyst FS 100		
No	PRODUCT DATA	
1	Colour	Grey Powder
2	Specific Gravity	3:5
3	Dosage	5-10% of the weight of cement, higher dosage for greater acceleration
4	Life	1 yrs if Stored cool & dry place away from moisture
5	Packing	50kg Polyethylene lined weather proof sacks.
6	Storage	Stored cool & dry place away from moisture & sunlight Use container /bag tightly closed after used.
7	Cement	OPC or PPC

## 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