



## RAZON ENGINEERING COMPANY PRIVATE LIMITED

660, Taboot Street, P.O.Box No.49, PUNE-411001 [India] Ph:26130791, Telefax: 26130017

E-mail: [razonengg@gmail.com](mailto:razonengg@gmail.com), Website: [www.razonengg.com](http://www.razonengg.com)

### AN ISO 9001-2008 COMPANY SHUTTER COAT SC – 20004 M

SC 20004M is a water based centrin oil, developed specifically for high cement content concretes used in place-and-ship concrete. Shuttering plywood are generally found to work well for the initial 1-2 cycles. Thereafter it is observed that concrete bonds to wood and streaks of wood come off from the plywood reducing its life considerably. Friction between shuttering ply surface & flowing concrete affect concrete filling leading to voids in concrete, honey combing and unsatisfactory surface finish.

Although the plywood is termite resistant, its solution dissolves in water and gets washed away. Degradation due to ultra violet radiation accelerates further deterioration, decreasing the life of the shuttering materials.

Generally, spent engine oils are sometimes used. However, high pH values associated with these oils damage the wood fibres as well as binders used in manufacture of plywood, and reduce its life considerably. If spent engine oil is used, it is found adhering to concrete surface after de shuttering. The presence of oil film on concrete surfaces makes plastering expensive & difficult.

Concrete admixtures are used extensively to increase cohesiveness of concrete and to enhance bonding properties to steel reinforcements. These concrete admixture tend to adhere to shuttering material. Hence the protection of shuttering material for increased life becomes more essential.

Our Shutter Coat SC 20004 M is a unique formulation with neutral pH, hence does not degrade binders in plywood nor does it affect the wood fiber, in fact it protects wood fibers. It has anti –fungal and anti-bacterial properties hence eliminates bacterial and algae fouling.

Immediately after deshuttering, scrub the shuttering board surface with wire coir and cloth.

Apply shutter coat either by brush or cloth swab. This procedure is better than treating shuttering material just before use. It protects the shuttering plywood in between use cycles, and also increases its life.

Shutter Coat SC 20004 M is ideal for laminated ply formwork.

- 1.) Easy release, and no degradation of ply due to sticky concrete.
- 2.) Protection of ply from algae and bacterial fouling.
- 3.) Increases life of shuttering material by 1.5-2 fold.
- 4.) Enhances surface finish, makes the plywood surface smooth, hence increasing UV radiation reflection.
- 5.) Reduces friction between flowing concrete and ply surfaces, hence reducing surface roughness and honey combing.
- 6.) Gives smooth concrete finish.
- 7.) Does not adhere to concrete surface after de shuttering. Hence does not interfere with plastering. Thus reduces plastering cost.

#### Method of use

Stir contents in shutter-coat container thoroughly. Mix water ratio 1:5 to 1:10 depending

upon smoothness desired, rougher of shuttering material surface for smooth form finish concrete use 1:5, for new smooth shuttering material surface use 1:8 to 1:10. Apply with clean brush over the surface exposed to concrete. It is recommended that SC 20004 M be consumed with 24 hours of dilution with water. For new plywood apply on all sides. Clean surface thoroughly with a coir-ball (of used coir ropes) and clean cloth prior to coating Shutter Coat.

**Shutter Coat performs exceptionally on laminated ply.**

**Packing:** 200 Lt drums.

S/N	PRODUCT DATA	
1	Colour	Dark Tan colour
2	Consistency	Free flowing
3	Specific Gravity	< 1.0
4	Dosage	Use is proportion of 1:5 – 1:10 with water.
5	Corrosion	Nil. Shutter Coat for metal provides metal passivation & increase sheet metal life tremendously.
6	Storage /Life	1 yrs if stored away from sunlight in cool dry place.
7	Toxicity	Nil
8	Coverage	200-250 sq ft per ltr.
9	Packing	200 ltr drums.

## 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 •  
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 • Gunninging 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 • 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