

DONCRETE – SALTPETRE

Protective Coating For Resistance to Efflorescence/Saltpetre/Shora Formation

What is Saltpetre?

Technically Saltpetre is efflorescence or erosion or is simply corrosion. Without going deeply into chemical reaction/process we simply specify here that CARBONATION is a series of natural chemical reaction which reduces alkalinity of concrete, bricks, cemented surface.

The reaction accelerates due to porosity, atmospheric moisture and carbon dioxide gas with more of the porosity, moisture and carbon dioxide gas, more efflorescence occurs, this also penetrates in to porosity and also corrodes the integrated steel bars. This penetration is also caused by bunny holes, honeycomb and cracks in the surface.

Efflorescence/corrosion causes when water percolates the surface and dissolves the soluble calcium salts, than evaporating, leaving solid calcium hydroxide. When this hydroxide formation is attacked by atmospheric carbon dioxide gases, efflorescence takes place.

Appearance/ Look of Saltpetre

Efflorescence appears on the surface in loosely attached patches, hazy white layers, thick crusts, thus spoiling aesthetic door Paint starts chalking, leaving behind black patches. Lime is also main cause of efflorescence. As a practice, on every newly contracted structure, lime coat is given, which should be avoided.

Saltpetre/Saltpeter is a real nuisance for buildings with little cure ward for dedication

DONCRETE Saltpetre is the result of dedicated efforts, analysis test and evaluations conducted. This is the healing ointment for your home, building, office etc. DONCRETE Saltpetre is a balanced formulation of a selection of metal salts dissolved in alkaline solution.

HOW DONCRETE Saltpetre helps in Fighting Rising Water Seepage and Corrosion?

Nipping the evil in the bud, is the need of the hour. Precaution is required form the civil work and DONCRETE Saltpetre is the solution. It retards effect of hard water, seals porosity, and combat gaseous attack.

Use DONCRETE Saltpetre resistance to efflorescence/Saltpetre/Shora formation, apply one or two coat only. No need curing after using DONCRETE (Saltpetre). It is also working like a super curing agent. DONCRETE Saltpetre is not a protective coating or surface treatment but is an integrated formula, which reacts with conditions combats efflorescence/Saltpetre formation. The Herculean task of combating the erratic and age old problem is made so easy by DONCRETE Saltpetre.

What is DONECRETE Saltpetre?

Water is the elixir of life. DONECRETE Saltpetre is chemically treated water and is elixir of bricks, wall, concrete surface, and integrated bars.

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DONCRETE Saltpetre : A unique product, introduced for the first time, to combat nuisance of Saltpetre/Shora formation/rising seepage (nona/noni), which is an erratic problem, which spoils the aesthetic looks of any wall. No premium coating system can retard this ugly formation. DONCRETE Saltpetre is the only product in its class available in India to combat age old problem of saltpeter formation because of acidic nature of hard water used, bricks and plaster etc.

One or two coats of DONCRETE Saltpetre reacts with the acidic nature of the surface and within hours forms an alkaline film which retards further formation of Saltpetre. Hence DONCRETE Saltpetre fights to prevent formation of Saltpetre (Salt peter). All type of construction unit need two coat of application.

Uses:- On damp surface apply by brush two coat only.

Mixing Ratio :- 1 Part Doncrete –Saltpetre : 1 Part Water : 2 Part Cement.

Coverage :- 1 Liter for 2m² one coat .

Packing Size : 1,10,20 & 50 Kg. Pack

Technical Properties

Solid Content	: 50%
Flexural Strength (mortar consistency)	: > 12.5 MPa (dry cure) ASTM C348
Compressive Strength MPa ASTM C109 (dry cure) (mortar consistency)	: ≥ 33
Elongation at Break	: ≥ 15% @ low speed rate
ASTM D412 (without reinforcement	: ≥ 5% @ high speed rate @ thicknesses > 1 mm)
Film Life	: 125±1 Years
Bonding Life on Concrete	: 100 Years ± 1 Year

Note: These results were achieved using 2mm thickness



TECHNICAL COLLABORATION WITH



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