

Stanvac™

"We Protect. Better"



CONCRETE PROTECTION SOLUTIONS 2019

INNOVATIVE TECHNOLOGIES ★ SUPERIOR PERFORMANCE



Group Innovative Protective Coatings

Stanvac – Superon group is today, India's leading innovator in the manufacture & marketing of specialised solutions for industrial repair, wear, corrosion, abrasion, electrical insulation, fire suppression, cleaning & degreasing, speciality lubrication.... India's widest variety of such, high performance "World Class Products".

Estd in 1994, with import tie-ups with a number of world leaders, production of indigenized solutions began in 2004.

We today offer the following "unique", innovative technology, protective coatings, via technology transfer from leading research & development institutions.

A. METAL PROTECTION-Against corrosion, temperature, leakage, CUI, Chemical/acids fumes, abrasion.

B. CONCRETE PROTECTION- Against carbonation, weakening, water seepages, oil & acid spillage, algae & fungus, crack repairing, Tankage boot sealing, pipe wrapping...

C. ELECTRICAL INSULATION & FIRE PROTECTION-insulation, anti-tracking, di-electric flooring, cable fire protection.

D. SPECIALITIES- solvent free epoxy coatings & linings, acid protection coatings, ceramic epoxy putties & coatings, metal repair putties, rubber repair putties & coatings, photo glow safety paints, di-electric paints.

Best in class performance via unique "Proprietary" features, ensures solutions to a number of long standing problems in civil, mechanical, utilities & electrical maintenance departments.



Plant-II, Manesar



Plant-III, Gurgaon



Plant-IV, Gurgaon



CONCRETE PROTECTION SOLUTIONS 2019

“FIRST TIME IN INDIA TECHNOLOGIES”

Based on Unique – Penetrate, Densify & Seal + Layer & Protect Systems
“Dual Seal Technologies”



Flooring

- Shop floors
- Work shop's
- Ware houses
- Machine foundations
- Compressor & DG rooms....
- Electrical panel rooms

a) 754 1K MCU & 727(FL) 2K PU Polyester, Densifier + Sealer

b) 756+760+765 solvent free epoxy 2mm/3mm



Walls, Structures, Silo's, Cooling Towers...

a) 753 1K Breathable penetrative densifier + sealer

b) 754 + 727 1K MCU & 2K PU Polyester densifier + sealer



Water Proofing

- 754+727 (RF)– No traffic area's

- 919+925 : 3 Step System – Light Traffic

- 920+926 – Tough : 3 Step System

- 1040 + 1311 FLX + 725 Metallic Roofs



Wall Seepages

-754

- 1311 MVT

- Negative side protection & sealing



Acid Protection Linings

-756+4029 /718 EGF (NV)



Repair

- 750

- 751

- Cement +

“We Protect Better”



1. Floor Densification & Strengthening + Sealing 754 + 727(FL) & Roof Water Proofing (No Foot Traffic) 754 + 727(RF) : "Dual Seal" Technology

Superior performance system Based on "Dual Seal" technology for floor sealing cum densification, as well as "No Traffic" roof water proofing.

(A) 754 Stangard Sealer

State of art "MCU" technology based 754 concrete sealer penetrates deeply into contaminated concrete, bonds strongly, seals & protects concrete floors /walls, against spillages & seepages.

- Upto 20mm penetration. Effectively seals all internal capillary voids.
- Negative and positive side application.
- Prevents moisture and vapor migration. Protects re-bar.

(B) 727(FL) Optimised for Flooring & 727(RF) Optimised for Roofing Applications

727(FL) Stangard HP-PLPU is two component, Polyester resin cured with an aliphatic isocyanate based curative. Coating is designed as a applied coating which offers excellent long term protection for metals. Provides excellent color retention, chalk resistance, scratch & wear resistance, weatherability... Resists splashes, spillages & fumes from dilute acids, alkalies, solvents & fuels.

(A) Floors :

- Floors - industrial, workshop, warehouses, electrical panel rooms...
- Machine foundations.... Densifies & strengthens
- Will not absorb oil, water
- Will not generate dust
- Easy floor clean ability

(B) Roofs :

- Effective long term waterproofing for roofs with "No Traffic".





2. Structure Densification & Strengthening + Sealing, Anti-carbonation Coating – 753

State of art "GREEN" technology based 753 concrete Anti-carbonation coating penetrates deeply into contaminated concrete, bonds strongly, seals & protects concrete floors /walls, against carbonation, water spillages & seepages, algae & fungal growth.

Provides an impermeable film against oil & water but allows concrete to breath, with transmission of water vapour through the protective coating.

FEATURES :

- Penetrative (upto 10 mm), Will seal concrete internal capillary voids very effectively, Will not crack / peel off with time .
- Repels water "Lotus Effect"
- Densifies & strengthens concrete -upto 20%
- Prevents moisture and vapor migration. Protects re-bar.
- Breathable, can be applied on damp surfaces.
- UV Tolerant... will not get damaged / brittle with time. Green technology.
- Prevent lichen, algae & fungus formation.
- Water & Salt tolerant. Protects concrete structures, beams, pillars, foundations, against damage by water saturation & carbonation.
- Negative and positive side application.
- Prevents formation of rust and water-borne contaminant stains, decreasing maintenance costs.

KEY APPLICATION AREA'S :

- Concrete general structures - buildings, cooling towers, tanks, warehouses, silo's...
- Concrete Bridges, flyovers, tunnels....
- Marine & Offshore cooling towers/platforms.
- Boundary walls.



3. Roof Water Proofing : "Triple Seal" Green Technology : Light Foot Traffic - 919+925 System

First Time in India – Stangard 3 Layer, Green, "Direct on Roof" Water Proofing System, is a Combination of Penetrative sealer, 2- component Elastomeric top coating, that cures at room temperature to a tough rubber – like material, remaining flexible at temperatures down to even -5°C and a special re-enforcement membrane

FEATURES :

Layer 1 - 919 Penetrative Sealer :

- Penetrative (upto 10 mm), will seal concrete internal capillary voids very effectively,, will not crack / peel off with time.
- Breathable, can be applied on damp surfaces.
- Green technology.

Layer - 3 - Reinforcement Membrane.

Ensures Excellent System Integrity & Strength. Prevents cracking.

- Superior adhesion to existing roof surfaces – brick bat-coba, etc unlike APP Elastomeric Membrane System.
- Excellent weathering – durable water proofing.
- Green PU technology..... No solvents, voc's....
- Cold application. No hot torching.
- Economically priced Vs inferior performance 1 or 2 Layer APP /Elastomeric Membrane Type Technologies.

Layer 2 - 925 Flexible Elastomeric Top Coating

- Excellent adhesion & crack bridging
- High flexibility with high recovery – no cracking
- High tensile elongation
- Excellent water impermeability
- Excellent durability to long term weathering & UV
- Resistant to carbon dioxide & chloride ion diffusion – excellent ant carbonation coating(1mm = 75mm concrete equivalent protection).

KEY APPLICATION AREA'S :

- Flexible roof water proofing & protective membrane.
- Flexible crack bridging.





4. Roof Water Proofing : “Triple Seal” Technology : Heavy Foot Traffic Tough Flexible Epoxy 920 + 926 System

Penetrative cum tough rubber like elastomeric water proof coating - Ideal for severely cracked roofs.

926 Stangard Water Seal is a 2- component Epoxy-Tar system that cures at room temperature to a tough rubber – like material, remaining flexible at temperatures down to even -5°C.

It adheres to a variety of materials such as metals, concrete, wood, fiber glass and many others.

Due to its low sensitivity to humidity it can also be used for coatings in thin layers and has a remarkably high tensile and tear strength.

Layer - 3 - Reinforcement Membrane

- Excellent System Integrity & Strength. Prevents cracking.
- Superior adhesion to existing roof surfaces – brick bat-coba, etc unlike APP Elastomeric Membrane System.
- Excellent weathering – durable water proofing.
- Green PU technology..... No solvents,voc's....
- Cold application. No hot torching.
- Superior warranted performance vs 1 or 2 Layer APP /Elastomeric Membrane Type Technologies.

FEATURES :

Layer 1 - 920 - High build moisture & salt tolerant penetrative sealing primer-upto 20mm

Layer 2 - 926 - 2K flexible elastomeric rubber like epoxy coatings overlay - Excellent bond adhesion & cross linking. Tough.

USP'S :

Impermeable against water & other corrosive liquids. Seamless - will never peel-off. No need to expose mother slab or apply top screed.

KEY APPLICATION AREAS:

- As flexible water proofing membrane - Roofs, Tanks, Silo's
- Flexible joints sealing.
- Tank base sealing.





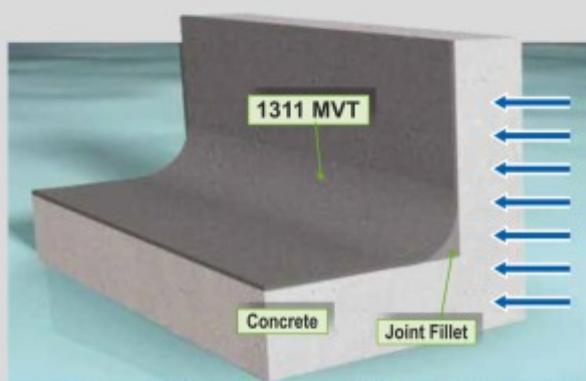
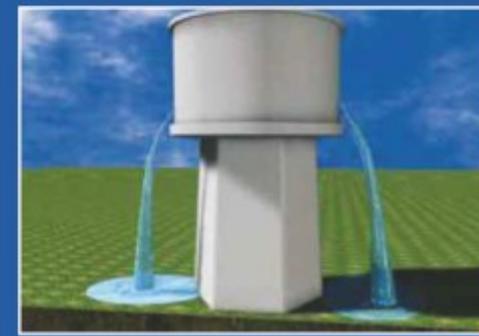
5. Long Term, Negative Side Waterproofing & Protecting Cooling Towers, RCC Water Storage Tanks...

1311 STANGARD CORROKOTE (MVT) : Moisture tolerant, wet tolerant, "breathable" barrier protection for concrete surfaces - a complete negative pressure water proofing system and protective coating for "deteriorated" damp concrete.

- High strength "breathable" - negative pressure water proofing solution.
- Releases osmotic pressure and provides long term barrier protection & edge coverage.
- One coating for all types of concrete surface protection - water proofing, preventing algae, fungus & bio-film formation in cooling towers...long term corrosion prevention against mild acids, alkalis... immersion as well as external use.
- Can be applied and will perfectly perform on moist, wet, damp & even on green concrete. Ideal for the protection of "deteriorated" damp concrete.
- High tolerance to salt & chloride.
- Fast drying, easy application, saves time.
- Useable both externally (with suitable top coat) & in immersion service.

Area's of use:

- Concrete roof water proofing
- Cooling towers
- Concrete Bridges & Tanks
- Basements
- Floors & Walls
- Dams & irrigation
- Tunnels & Subways
- Chemical processing plants
- Marine & Offshore Cooling Towers/platforms



Negative side waterproofing

- Inside of basements
- Outside of water tanks or potable water tanks
- Inside of lift pits
- Inside of tunnels
- Leaking side of retaining walls
- Underside of leaking ceilings

PROPERTY	VALUE
Pull off adhesion on concrete ASTM D454)	>650 psi (concrete failure)
Tensile strength (ASTM D638)	>5500 Psi
Tensile elongation %	>4.0%
Salt spray resistance(ASTM B117) *(re-bar)	Passes 5000 hours

6. Protection of Concrete Floors - Acid Spillage / Acid Resistant Linings – 756 + 4029 System

(A) 756 STANFLOOR MOISTURE TOLERANT PRIMER

Three component epoxy resin based moisture tolerant primer for concrete floor & concrete Structure coating.

Features:

- Designed as an moisture tolerant primer for concrete wall & flooring.
- Good bonding with old and new concrete surfaces, even contaminated with moisture (up to 15%), that are sound.
- Provides good adhesion between concrete surface and subsequent Stangard series topcoat.
- Quick drying characteristics.
- Easy to apply.
- Excellent adhesion even on “Tiled” surfaces, post surface roughening.

Uses:

- Primer for the Concrete & wall.
- Can be used for dense substrate like Kota stone, tiles

(B) STANGARD #4029 NOVOLAC

High Build, Solvent Free, Chemical, Solvent, Acid, Alkali... Resistant, Severe Service, Epoxy Coating.

- 100% solids system – High functionality novolac resin with a uv & moisture tolerant advanced cycloaliphatic curative.
- Outstanding resistance to both concentrated mineral acids (98% Sulfuric, 33% Hydrochloric, Aqua Regia...) & also concentrated oxidizing acids (50% Nitric acid).
- Hard wearing surface, seamless protection of concrete.... Traffic grade useable, low maintenance coating....Can withstand low motor traffic as well as plastic/rubber wheel traffic.Anti-bacterial, prevent bacterial growth on the coated surfaces.
- Premium quality, solvent free, multi-functional, Novolac Epoxy System is designed to provide optimum protection against a broad range of aggressive chemicals, organic & inorganic acids, solvents, high temperatures...
- High build - 1000 microns DFT application.

Applications

- Neutralisation pits • Acid storage area's • Battery room floors...
- Trenches • Acid bunds • Acid unloading area's.



7. Concrete Repair Solutions 750 & 751 Stanfloor- Floor Repair

750 Stanfloor- Floor Repair compound is a polymer modified epoxy based compound having good mechanical properties - 7 to 14 hours curing time.

USP'S: Easy to use and apply, can bond to metal as well as concrete surfaces, abrasion resistance, excellent bond strength, minimum downtime with ease of application. Chemical resistant.

Applications: Designed for use on concrete as well as metal parts. Typical uses are repairs of damaged floors, repairs of rotary or stationary equipment foundation repairs, resurfacing of the industrial floors. Since it has abrasion resistance it can be used for heavy duty applications on industrial floors and can be used in metal parts or equipments in tandem with suitable system.

IMP: Also available – CEMENT+ for low cost repairs cum waterproofing - 24 hours curing time. Economical.



751 Stanfloor - Repair (Quick Set)

A fast drying 100% solids, three component epoxy resin based system, loaded with inert fillers. Enables quick repairs of holes and cracks in concrete floors, ramps, walls and also in grouting applications - 1 to 2 hours curing time.

USP'S:

- 100% Solid epoxy system.
- No-shrinkage during and after curing.
- Quick set-suitable for fast repairing works, including vertical application.
- Chemical resistant.
- Can be made self leveling by adjustment of filler loading at site.
- Can be applied on vertical surfaces with adjustment of filler loading at site.
- Smooth Glossy Finish can be achieved by using Part-C2

Applications:

Repair damages in concrete structures.



Damage Floor 756 Primer



751 Repair



Ready to use-60 minutes

8. Premium Quality "Solvent Free" Epoxy Flooring, Gangway Marking & Yellow Lining – 756 + 760 + 765

Superior solvent free high performance epoxy system for general industrial flooring.

FEATURES : 100% solid epoxy.

- Abrasion resistance top coat.
- Excellent chemical resistance.
- Pull off adhesion >600psi (concrete failure).
- Self leveling.

USP'S :

- Chemically resistant - good resistance to a wide range of chemicals.
- ★ High abrasion, impact and mar resistance
- ★ Hygienic - provides a dense, impervious, glossy seamless floor surface which is easily cleaned. High peel-off & crack resistance.

APPLICATION AREA'S :

Industrial floors, warehouse & storage areas, work shops floors, automobile servicing and assembly areas, dairy/pharma industry, humidity controlled room floors & floor line marking. .





"We Protect, Better"

India's Widest Range of World Class Maintenance Solutions

- ★ Maintenance Welding
- ★ Protective Coatings
- ★ Industrial Aerosols & Bulk Cleaners
- ★ Speciality Lubricants

STANVAC CHEMICALS INDIA LTD

Corporate Office: 552, Sector-37, Pace City-II, Gurgaon, Haryana - 122001
Tel. : +91-124-4940900

Web Site: www.stanvac.com, E-mail : sales@stanvac.com