



PRODUCT GUIDE



AN ISO 9001:2015 Certified Co.
GDAS CONCRETE SOLUTION Pvt Ltd.

Adding Life To Your Construction

COMPANY PROFILE

We GDAS CONCRETE SOLUTION started our journey as a sole proprietorship firm in 2014. Gradually we came to a stage where our demand of construction chemical increased, there came a turning point.

To boost our business to all together to new phase we became GDAS CONCRETE SOLUTION Pvt. Ltd.

Now we are geared up with German Technology & Upgraded Products with brand name SAMPLUS. Our Portfolio of products include water proofing chemicals, Water Proofing Coating, Concrete Admixture, Tile Adhesive & Concrete aids.

An ISO 9001:2015 certified company GDAS CONCRETE SOLUTION keep updating products with the help of our astonishing R&D department. We do maintain world class export quality with the help of our quality control and production department.

Director

Rupesh

Mr. Rupesh Dodwani

Director

Hema

Mrs. Hema



Adding Life To Your Construction

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Samplus Swift

Concrete Hardening Accelerator.

A perfect blend of chemicals which enhance the properties of the concrete and mortar.



- Reduces the setting time of concrete
- Provides long term benefit to plain concrete.
- Faster the process of hardening the concrete.

Uses :

- Samplus Swift is a high performance concrete hardener for industrial Floor, pavement, roads, interlocking paver block industries, e.t.c.
- It is also used where formwork has to be removed quickly such as floor slabs, water tank, e.t.c.

Technical Data & Specification.

Appearance	Brown colour free flowing liquid
Setting time	Setting time decreases as dosage increases
PH Value	>6
Wear resistance	Increases as dosage of Samplus swift increases
Specific gravity	1.19 ± .02
Dosage quantity	300 gm to 500 gm in one bag of cement (as per whether)
Shelf life	12 months

Method of Application :

- Add required quantity of Samplus Swift in the concrete mixer under operation or along with gauging water.

Dosage : 300ml - 500ml in one bag of cement.

Note – Not recommended for RCC structures.

Size : 20kg | 50kg | 240kg

Samplus Rapid Plast 301

An Accelerating Concrete Admixture / Plasticizer
Complies with IS 9103:1999 and ASTM C-434 type-C



- It is applicable in all types of pre cast / plain concrete work
 - It accelerate early release of concrete work from moulds & also where early handing of units are required for cost saving.
- It is designed as per IS:91003-1999

Uses :

- It is used where rapid setting & early strength is required without increasing the dosage of cement.
- Math applicable on runways, roods, granolibhic floors etc.

Technical Data & Specification.

It is a liquid concrete admixture used as a concrete set acceler ating and plasticizing agent complying with ASTM C-494 Type E and IS 9103-1999

Appearance	Brown colour free flowing liquid
Specific gravity	1.28 ±0.02
PH Value	>6
Toxicity	Non-Toxic
Compatibility	Can be used with all types of Portland cement, slag cement, pozzolana cement including sulphate- resisting cement
Dosage quantity	300 gm to 500gm in one bag of cement (as per whether)
Shelf life	12 months

Method of Application :

- Add required quantity of Samplus Rapid plast 301 in the concrete mixer under operation or along with gauging water. It should be added to the mixing water not to the dry cement.

Dosage : 300gm to 500 gm in one bag cement.

Size : 20kg | 50kg | 240kg

Samplus Super Plast T50

- ▶ It is a high performance super plasticizer which works as a water reducing admixture. It complies with the requirement of IS:9103: 1999 .
- ▶ It provides high degree of workability & flow properties without increasing water.
- ▶ It reduces the cracking of concrete and also minimises shrinkage.
- ▶ It improves early & ultimate strength without increasing cement content.
- ▶ Speeds up construction.



Uses :

- ▶ It is used where high workability of flowing concrete is required without losing strength.
- It is used to produce Pumped concrete, Pre-stressed & denser concrete.

Technical Data & Specification.

Concrete superplasticiser/ high range water reducing admixture. It is based on modified Sulphonated naphthalene formaldehyde (SNF)

Form	Liquid
Colour	Brown
Specific gravity	1.20 ±0.02
PH Value	>6
Chloride content	nil
Compatibility	Can be used with all types of OPC, PFA, PPC, GGBFS, Micro silica, metakeolin including sulphate- resisting cement. But it is advised to get maximum ultimate benefit do conduct trial mixes.
Dosage quantity	0.4% to 2 % by the weight of cement
Shelf life	12 months

Method of Application :

- ▶ Add required quantity of Samplus Super Plast T50 in the concrete mixer under operation or along with gauging water.

Dosage : 0.4% to 2% by weight of cement.

Size : **20kg** **50kg** **240kg**

Samplus Super Plast PC106

- ▶ It is a new generation water reducing admixture, it complies with the requirement of Is9103:1999 & ASTM C-494 type F&G.
- ▶ It provides high degree of work ability & flow properties without increasing water.
- ▶ It provide high strength to the concrete.
- ▶ It reduces the cracking & shrinkage of concrete structure.
- ▶ Minimises internal friction & improves mix thixotropy without the risk of segregation.
- ▶ Perfect for RCC structure, It increases bond strength of concrete to reinforcing steel.



Uses :

- ▶ It is used where highly workable flowing self compacting concrete is required.
- ▶ Perfect for pump concrete
- ▶ It is used with a very less quantity of water & almost increases 80% to 90% early strength of the concrete on a very first day.
- ▶ Recommended for M30 to M60 Grade of concrete,

Technical Data & Specification.

Concrete superplasticiser/ for a new generation based on polycarboxylate ether (PCE) & organic polymer.

Form	Liquid
Colour	Cream
Specific gravity	1.09 ± 0.04
PH Value	>6
Chloride content	< 0.2%
Compatibility	Can be used with all types of portland & slag cements including sulphate resistant cement
Air entrainment	May increase slightly
Setting & hardening	May provide slight retarding effect
Dosage quantity	0.2% to 1.5 % by the weight of cement for better performance do site trials
Shelf life	12 months

Method of Application :

- ▶ Add required quantity of Samplus Super Plast PC106 in the concrete mixer under operation or along with gauging water.

Dosage : 0.2% to 1.5% by weight of cement.

Size : **20kg** **50kg** **240kg**

Samplus Conproof 101

It is a quick setting & hardening waterproofing compound.

- ▶ Where moderate or len severe infiltration of water accuses, there we use Samplus conproof 101.
- ▶ It also assist in gaining easily strength in cement mortar/concrete.



Uses :

- ▶ It is used in basement where quick relax & shuttering is required or where infiltration of water is moderate.
- ▶ It seals joints in brick all.

Method of Application :

- ▶ Mix Samplus conproof 101 with OPC cement in 1:3 ratio & than apply it on effected / leaving area.



Dosage : 1:3 ratio & Samplus conproof with cement.
Quantity many vary depending on site condition.

Size : 1ltr | 5ltr | 20ltr | 50ltr

Samplus Conproof LW+

An Excellent Integral Cement Waterproofing Compound for Normal Setting

- ▶ It Waterproof's concrete during the construction stage.
- ▶ It improves the work ability of cement, concrete, mortar & plaster.
- ▶ Chloride free corrosion inhibitor.
- ▶ Heat point reduces water absorption & dampness.
- ▶ Protect from efflorescence & Fungus Growth.
- ▶ Prevents the render from cracking & chipping.



Uses :

- ▶ It is use in Concrete, Plaster & Mortar for residential & Commercial Project.
- ▶ Area of Application are house, basement, tunnel, cannel water tank, manhole & swimming pool
- ▶ It is used in DPS, all types of rendering, construction of roofs, water tank & other under



Method of Application :

- ▶ For Internal & External Plastering dilute it in 1kg to 1.5 kg in clean water & use this mixture to get required work ability.
- ▶ For Concrete add 1kg to 1.5 kg of it in 1 bag of cement wet concrete mix in the mixture

Size : 1ltr | 5ltr | 20ltr | 50ltr

Conproof Super LW+

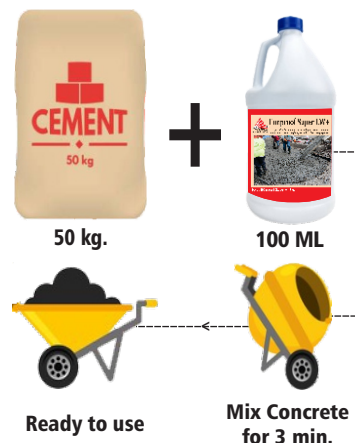
Is specially formulated integral liquid water proofing compound composed of surface active plasticising agents.

- ▶ Permeability of concrete is greatly reduced it act as a hydrophobe.
- ▶ It act as an additive for concrete, mortar & plaster.
- ▶ It prevent / reduces dampness from the plastered surface of brick wall
- ▶ It increases concrete cohesion and prevents segregation.
- ▶ It reduces fungal growth on the plastered wall.
- ▶ It improves the workability and finish of concrete and mortar.
- ▶ It reduces cracks and pin holes



Uses :

- ▶ It is used in PC / RCC developed for roof, slab, screed basement, Water tank, foundation, columns, beams, Linter, chhajha & stairs.
- ▶ It is also used where hydro insulation is must.



Method of Application :

- ▶ Mix 100ml of Conproof Super LW+ in the last half of water required for making concrete / mortar with one bag of cement (50 kg).

Size : 1ltr 5ltr 20ltr 50ltr

Samplus Seal Crete

Its a polymer based surface treatment system for old & new building for protecting concrete & masonry.

- ▶ Samplus Seal Crete when combines with cement then it overcomes the short coming of cement specially its poor adhesion properties & Low flexural strength of concrete.
- ▶ It assit in evaporating the trapped vapors which prevents peeling & bubbling formation.
- ▶ It is not affected by ultra violet rays hense best for exterior surface.
- ▶ It not only safe gaurd but also provide strength.



Method of Application :

- ▶ Free the surface from loose particles & dust & thoroughly wash the surface 1 hour prior before applying Samplus Seal Crete. Surface should only be damp.
- ▶ Kindly note - No need to add water. Apply two coats one in horizontal direction & second in vertical direction. The gap between two coats should be of 6 hours.

Dosage :

- ▶ For Slurry coating 1:2 ratio of Samplus Seal Crete to fresh cement by weight.
- ▶ For Brush Topping 1:2:2 ratio of Seal Crete with Silica Sand & cement.

Coverage : 2-2.5m / kg in two coats

Uses :

- ▶ Samplus Seal crete is used for waterproofing - Sunken areas like Kitchen & Bathroom, Basement outside & inside both, Roof, Swimming pool, existing to new concrete bonding.

Size : 1ltr 5ltr 20ltr 50ltr

Samplus Umbrella

TWO PACK ELASTOMERIC POLYMER MODIFIED CEMENTITIOUS WATERPROOF COATING

- ▶ It is use for waterproofing of existing as well as new structure.
- ▶ Pre-measured packs required mixing only.
- ▶ Provides barrier coating for chloride ions, Co & acid gases.
- ▶ Non toxic in Nature.
- ▶ It develops a fine film which prevents dampness.
- ▶ Excellent barrier for water penetration.
- ▶ Easy to apply by brush.



Uses :

- ▶ It is suitable in both interior & Exterior building.
- ▶ Seals cracks in concrete structures.
- ▶ Greatly used in terrace garden, water tank, pools, basement, damp walls, Sunken like bathroom, Kitchen & etc.

Method of Application :

- ▶ Mix both the packs A & B together or else if required less quantity than use Samplus Umbrella in 2.5:1 ratio by weight (A:B) in a bucket. Mix thoroughly till it become smooth slurry consume the mixed product within 30 minutes. Use brush to apply this slurry on a clean surface / wall.

Coverage : 2 Kg / m² in two coats.

Size : 3.5 Kg (A-2.5kg + B 1kg)

Samplus Latex SBR

Modern cementation Waterproofing coating for repairing & bonding polymer.

- ▶ It is a the most versatile polymer greatly used with cement.
- ▶ It repairs worn, damaged & spalled concrete.
- ▶ It is non-biodegradable.
- ▶ Resistant to many chemicals.
- ▶ Water proof plasters for masonry & slurries.
- ▶ Very simple tone, Single component gauged as required.



Uses :

- ▶ It is used as a bond coating for plaster to plaster, plaster to over brick masonry
- ▶ It is used as plaster/concrete repair, works as waterproofing treatment in roof, wall, underground, basement & fixing of bricks.
- ▶ It is used as bonding agent for cold joints for overlays on bridge decks.
- ▶ It is used as a crack repair.

Method of Application :

- ▶ Before applying Samplus Latex SBR thoroughly clean the surface.
- ▶ Surface should be free from dust, oil, grease, peeled plaster etc.

Dosage :

- ▶ Samplus Latex SBR is used in different dosage for different purpose.
 1. For plastering or rendering :-
Add water in SBR Latex in the ratio of 7:1 and then dilute in Cement & Sand mix of 1:3 ratio.
 2. For waterproofing Slurry simplex and water, Samplus Latex SBR, OPC Cement in the ratio of 1:1:4.
 3. For bonding agent add water, Samplus Latex SBR, Cement and Silica sand in the ratio of 1:1:4:2

Size : 1 ltr | 5ltr | 20ltr | 50ltr | 200ltr

Samplus Repellent TA021

Silicon based transparent water repellent coating.

- ▶ It provides a water repellent surface on exterior concrete structure, brickwork, plaster & cladding.
- ▶ It penetrates into porous substrates and make a thin lining which acts as a water repellent.
- ▶ Non toxic, Eco-friendly & non flammable.
- ▶ It protects your concrete structure from dampness, seepage & decolouration
- ▶ Reduces chances of efflorescence eliminates dampness of walls.



Uses :

- ▶ It is used for siliceous surface either new or old.
- ▶ It is recommended for exterior building, brickwork, plaster, concrete & natural stone.

Method of Application :-

- ▶ Before applying Samplus Repellent TA021, the surface should be dry & free from oil, grease, dust etc.
- ▶ In case joints in brickwork are not sound, refill them with cement & sand mix.
- ▶ When surface is ready to use then apply directly Samplus Repellent TA021 with brush or spray

Note : Do not add water in Samplus Repellent TA021.

Coverage

1 liter of Samplus Repellent TA021 are cover 2 to 10 sqmt depending on porosity of the surface.

Size : 1ltr 5ltr 20ltr 50ltr 200ltr

Samplus Librate

Mould Release Agent

Is a perfect Blend of Chemicals & Mineral Oils which provides easy strain free removal of concrete moulds and formwork of all types.

When librate reacts with the alkali in the concrete than it creates a thin water repellent layer on the mould surface which provides easy clean stripping from concrete.

- ▶ Fast and Easy Stripping
- ▶ For formwork & shuttering release
- ▶ Clean & fast removal of formwork
- ▶ Enhance surface finish
- ▶ Easily applied by Sprayer, Brusher & Squeegee



Uses :

- ▶ It is used in most types of formwork

READY TO USE-NO NEED TO DILUTE

Size : 5ltr 20ltr 50ltr 200ltr

Tile Adhesive

Available Range

- ▶ **Samplus Silver**
- ▶ **Samplus Gold**
- ▶ **Samplus Gold Plus**
- ▶ **Samplus Diamond (white base)**
- ▶ **Samplus Tile on Tile**



CEMENT BASED ADHESIVE, GERMAN TECHNOLOGY
NON SHRINK ADHESIVE, NO CURING REQUIRED
READY MIX JUST ADD WATER, FOR WALL & FLOOR

Size : 20kg 40kg

Samplus Grout - XT

- ▶ Samplus Grout-XT is a pigmented cement based tile joint filler.

It is non-shrink grout, free of calcium chloride.
Ready to use just need to add water.

Uses :

- ▶ Area of application are bathroom, rooms, fountain, residential & commercial building.

Size : 1kg 5kg



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