

Construction chemical

Taj Group has the largest & widest portfolio of Construction Chemicals in India. This range reaches out to a very wide sector of clients such as housing & commercial projects, infrastructure, construction and protective coating segments. Besides these segments, Taj Group products are present in almost every region of South Asia.

Construction chemical Products from India

Waterproofers & Water Sealers
Concrete Admixtures (Plasticiser)
Grouts and Grouting Compounds
Capsules for Anchoring/Bolting
Protective Coating & Impregnations
Construction Aid
Industrial Flooring
Waterproof Coating/ Membrane
Sealants
Shortcrete Products
Repair Compounds
Tile, Structural Adhesives & Allied Products

Taj Waterproofers & water sealers(Product Name Description)

Description

Normal setting integral waterproofing compound for cement & concrete in liquid form B.I.S
Marked as per IS 2645:2003

Features

Chloride free, corrosion inhibitor
Reduces water absorption and dampness.
Reduces efflorescence, salt pitting and fungus growth.
Shelf Life: 18 months

Usage

Plastering mortar, masonry mortar and concrete
Tunnels, basements, canals, water tanks, manholes, swimming pools
Excellent to arrest dampness of wall

Method of Application

For plastering/ rendering/screened ing: dilute it at 1:16 with clean potable water and use this diluted Taj Group No . 1 to get required workability
For concrete: above method is also applicable or else 1 kg to 1.5 kg per 50 kg cement may be added to the wet concrete in concrete mixer.

Dosage/Coverage/Packing

Dosage: 1.5 kg per 50 kg of cement
Packing: 1kg, 5kg 20kg, 50kg, 225kg container

Taj super

Product Name Description

Integral waterproofing compound for cement and concrete. B.I.S Marked as per IS 2645: 2003

Features

Permeability of concrete is greatly reduced, acts as a hydrophober.
Increased cohesion reduces segregation and bleeding significantly.
Improved workability and surface finish concrete.
Shelf Life: 1 year

Usage

RCC/concrete intended for water tank, roof slab, basement, lift pit or in a situation where hydro-insulation is a must.

Method of Application

Add measured of quantity of Taj Group super to mixing water. Add solution only into the dry mix of cement and sand. The quantity of Taj Group super and water is to be pre-determined as per cement: content of the mix.

Dosage/Coverage/ Packing

Dosage: 100ml per 50kg of cement or 0.2% by volume of cement
Packing: 100ml , 1Ltr 5Ltr, 20Ltr, 225Ltr container

Taj Acryl

Product Name Description

An acrylic latex integral
Waterproofer for concrete and mortar

Features

Provides waterproof surface
Excellent smoothness
Good breathing properties
Seals porosity for uniform deposition of finished paints.
Shelf Life: 6 months

Usage

It serves as filler/leveller in the paint system and enhances durability

Method of Application

To be applied on cleaned and moistened surface with putty blade or towel. If required apply second coat after 2-3 hours to match with adjacent area. If need be surfaced should be rubbed with fine waterproof emery paper.

Dosage/Coverage/Packing

Dosage: N.A
Packing: 1kg, 5kg, 20kg container

Taj No. 2

Product Name Description

Rapid/quick setting/hardening compound for cement mortar & concrete

Features

Excellent quality plugging compound
High early strength-plugging is completed within 5 minutes
Shelf Life: 1 year

Usage

For emergency/immediate repair work
Instant leak plugging and quick fixing of injection nozzle
Basements, pipe joints, retaining tunnels and sewage works where water is leaking under pressure

Method of Application

Cut the location/hole to a V-groove shape. Keep 1 part of Taj Group No. 2 and 2 parts of neat cement by volume ready (as little quantity at a time as required for 1 hole) and mix them thoroughly within 10 seconds and push the semi paste material inside the prepared groove very fast and keep pressure of towel/palm on it for about 5 minutes.

Dosage/Coverage/Packing

Dosage: 37% by weight of cement. It cannot be diluted with water

Packing: 1kg, 5kg, 20kg, 50kg, 225kg container

Taj No. 3

Product Name Description

Moderate setting/Hardening compound for cement mortar & concrete

Features

Moderate setting/hardening waterproofing compound for less serve infiltration of water and for early gain of strength in cement paste/mortar/concrete

Shelf Life: 1 year

Usage

Sealing joint in brick walls

Concrete structures

Basement where leakage is moderate or where quick release of shuttering is required

Method of Application

Mix 1 part of Taj Group No. 3 with 3 parts of OPC by volume within 30 second and then place it and work on the leaking areas

Dosage/Coverage/Packing

Dosage: Mortar: 12kg per 50kg bag of cement

Packing: 1kg, 5kg, 20kg, 225kg container

Taj Crystal Seal

Product Name Description

Waterproofing and protection of concrete

Features

Does not get punctured, tear or come apart the crystalline formation becomes an integral part of concrete

Hairline cracks upto 0.4 mm get sealed

Does not require costly surface priming or levelling prior to application

Does not require protection during placement of steel, backfill etc.

Shelf Life: 1 Year

Usage

Taj Group Crystal Seal helps protect concrete and reinforcement steel by preventing the intrusion of chemicals, salt water, sewage and other harmful materials.

The concrete is also protected against spalling, efflorescence and other damages caused by weathering, bleeding of the salts and internal expansion and contraction during the freeze-thaw cycle

Method of Application

Taj Group Crystal Seal requires moisture to initiate the crystalline waterproofing process, all concrete, whether fresh or old, must be saturated with water.

Taj Group Crystal Seal treatment should be applied with a semi-stiff bristle brush, a janitor's broom for large horizontal applications or with specialised spray equipment.

Slurry coat application – Taj Group Crystal Seal powder is mixed with clean water in water: powder ratio of 0.4

Dosage/Coverage/Packing

Coverage per coat – 1.5 to 2m²/kg depends upon surface texture.

Packing: 1kg, 5kg & 10 kg container

Taj Plast-N

Product Name Description

Concrete plasticizer/water reducing agent

Specification: Conforms to ASTM C-494 TYPE A: IS 9103:1999

Features

Improves the workability of concrete

Improves both early and ultimate strengths without increasing cement content and without reducing workability

Saves cement without reducing strength and workability

Improves surface finish, allows to produce denser concrete

Reduces drying shrinkage cracks, bleeding and segregation of concrete

Reduces the permeability of concrete

Shelf Life: 1 year

Usage

At locations with congested reinforcement, thin slender section or any other locations, where improved workability is required.

For pumped concrete as it improves the lubricating properties.

Roof slabs for both residential as well as industrial buildings.

Medium to low grade concrete to improve the cohesivity.

Water retaining structure.

Method of Application

Add required quantity of Taj Group Plast N either directly to the wt concrete mix in the concrete mixer under operation or along with gauging water.

Dosage/Coverage/Packing

Dosage: 200ml to 500ml per 50kg of cement. For best results conduct site trial.

Packing: 20 ltr, 200 ltr/250 kg container

Taj plasto super HS

Product Name Description

Concrete super plasticizer/high range water reducing agent.

Specification: Conforms to IS 9103:1999 & ASTM C-494 Type F.

Features

Improves workability & flow properties without any increase in water.

Produces self-levelling concrete used for congested reinforcement.

Increase of bond strength of concrete to reinforcing steel

Reduction of internal friction & thixotropy without the risk of segregation and making concrete workable.

Minimise shrinkage or cracking
Produce concrete of very high strength

Shelf Life: 1 year

Usage

It produce and extremely workable FLOWING CONCRETE without loss of strength
It can be used to produce pump concrete or at locations where flowing or high strength concrete is needed.

Method of Application

Use required quantity of Taj Group Plast Super either directly to the wet concrete mix in the concrete mixer under operation or along with gauging water.

Dosage/Coverage/Packing

Dosage: same as above
Packing: 20 ltr 200 ltr / 250 kg container

Taj Plast R

Product Name Description

Retarding concrete plasticizer
Specification conforms to ASTM C-494D

Features

Improvement in workability
Avoiding construction joint by means of long but defined retardation capacity
Minimises formation of micro cracks
Improves cohesiveness of concrete to enhance the efficiency of a concrete pump
Higher cohesiveness & flexural strength
Lower creep shrinkage cracks
Provide more durable structures

Shelf Life : 1 year

Usage

For extended setting time when concrete is to be moved to a long distance or for concreting operation at a very high ambient temperature.

Ideally suited for mass concrete, where cold joint have to be avoided.

Method of Application

For desired results retardation property may be checked at site with recommended dosage. Dosage may vary with type of cement, temperature and humidity. For desired results add the required quantity.

Dosage/Coverage/ Packing

Dosage: 100ml to 500 ml per 50 kg cement depending upon the degree of retardation
Packing : 20 ltr, 200 ltr/ 250 kg container

2.5Taj Plast PPR

Product Name Description

Retarding pumping admixture & Plasticiser
Specification: Complying with ASTM C-494

Features

Reduced segregation and bleeding by increased cohesion.
Reduced grout drainage.
Moderate retardation can be pumped over longer distance at high ambient temperature with less blockages in pipelines.

Retention of workability for considerable period.

Easier to obtain required fluidity.

Improved tolerance of harsh sand grading it increases adhesion of cement slurry resulting in low segregation of pumped concrete.

Chloride free

Shelf Life: 1 year

Usage

Improves cohesion of high workable concrete
Used primarily for pumped concrete

Method of Application

Add required quantity either directly or wet concrete mix or along with gauging water and mix for 2 minutes.

Dosage/ Coverage/ Packing

Dosage: Depends on site trials

250ml to 500 ml per 50kg cement

Packing: 20 ltr 200 ltr 250 kg container

2.6 Taj Plast MMF

Product Name Description

High range water reducing agent/ Melamine based superplasticier
Specification: Conforms to ASTM 494 Type F

Features

Produce an extremely workable flowing concrete without loss of strength
Production of pumpable concrete, precast concrete, pre-stress, industrial/
Commercial flooring with floor toppings and in areas where early

Method of Application

Add required quantity of Taj Group Plast MMF wither directly to the wet concrete mix in the concrete mixer under operation or along with gauging water.

Dosage/ Coverage/ Packing

Dosage: Depends upon a site trials 200 to 1000 ml per 50 kg of cement depending on the function

Packing: 20 ltr, 200 ltr/ 250 kg container

2.7 Taj Plast AEP

Product Name Description

Concrete Plasticiser cum air entraining agent
Specification: Complying with IS; 9103-1999 ASTM C494 & ASTM C260

Features

Same as above. In addition:

By incorporating air into the concrete much greater resistance to spalling, crazing in freeze/thaw environments is achieved.

Improves the properties of fresh concrete

Shelf Life: 1 year

Usage

For well compacted durable concrete

Resistance to extreme thermal variation and frost action is required

Heat of the Hydration is reduced in mass concrete ie, roads, runways, paving, hard-stands, dams, canal lining, open storage areas etc.

Add required quantity either directly to wet concrete mix or along with gauging water and mix for 2 minutes to get required air entertainment. Dosage is to be determined by site trial to get desired air entertainment.

Dosage/ Coverage/ Packing

Dosage: 150-400ml per 50kg of cement

Packing: 20 ltr, 200 ltr/ 250kg container

2.8 Taj Plast AEA

Product Name Description

Air entraining agent

Specification: Complying with ASTM-C 260-66T

Features

Does not contain calcium chloride and other chemicals which could be harmful to the durability of concrete

May be used with all type of Portland cement..

Is formulated from chemicals which present no fire or health hazards.

Shelf Life: 1 year

Usage

For well compacted durable concrete

Resistance to extreme thermal variation and frost action is required

Heat of the hydration is reduced in mass concrete ie roads, runways, paving

Hard-stands, dams, canal lining, open storage areas etc.

Method of Application

Add required quantity either directly to wet concrete mix or along with gauging water and mix for 2 minutes to get required air entertainment. Dosage is to be determined by site trial to get desired air entertainment.

Dosage/ Coverage/ Packing

Dosage: 50-100 ml per 50kg of cement

Packing: 20 ltr 200 ltr/250kg container

2.9 Taj Plast A

Product Name Description

Accelerating water reducing admixture

Specification: Complying with ASTM C-494 Type E IS 9103: 1999

Features

In all types of pre-cast/ plain concrete works, where earlier release from moulds and handling of unites is essential for economical production.

The real addition is adjustable to meet variations of temperature.

Shelf Life: 1 year

Usage

For cement concrete where rapid setting and early strength development are required

Method of Application

Use required quantity either directly to the wet concrete mix in the concrete mixer under operation or along with gauging water.

Dosage/ Coverage/ Packing

Dosage: 0.85 – 1.5 ltr per 50kg of cement.

Packing: 20 ltr, 200 ltr/250 kg container

2.10 Taj Plast Super RP

Product Name Description

Retarding superplasticiser/ high range water reducing admixture for concrete

Specification: Conforms to ASTM-C494 Type G

Features

Substantial improvement in workability and flow properties without any increase in water

Water reduction minimises shrinkage or cracking there by with improved durability and surface finish

Keeps concrete pourable consistency for longer time due to retention characteristic in ambient temperature and reduces heat of hydration.

Shelf Life: 1 year

Usage

Can be used for workable flowing concrete or large water reduction to be made for the same workability is required which results in dense to high degree retention, particularly when delay in placing or transportation is likely to cause large loss of slump

Method of Application

Taj Group Plast Super-RP is supplied raly to use. For maximum dispersion through the mix measured quantity of the product should be added directly into the mixer at the same time as the mixing water. It should not be added to the dry cement. To achieve best results the mixer along with material should be rotated about 2-3 minutes.

Dosage/ Coverage/ Packing

Dosage: Depends upon site trials. Normally 200ml to 350ml per 50 kg cement for concrete

Packing: 20 ltr, 200 ltr/250 kg container.

2.11 TAJ PLAST AF

product Name Description

Anti-freeze water reducing agent

Features

Liquid admixture used for frost protection down to -10°C. It is suitable to use with most types of portland cement including SRC.

It accelerates the initial set of mix

Plasticising effect reduces the quantity of water required for equal workability and thus increases strength and density of concrete

Shelf Life: 1 Year

Usage

Suitable for addition to mass, pre stressed and reinforced concrete. It acts only to prevent the harmful effect of frost on green concrete.

Method of Application

It is added to mixing water. It lowers the freezing point of concrete or mortar mix and protects even when frozen.

Dosage/ Coverage/ Packing

Dosage: 0.5 – 1.5 ltr per 50kg cement

Packing: 20 ltr, 200 ltr/250 kg container

2.12 TAJ MS

Product Name Description

Silica fume high performance mineral admixture

Features

High compressive strength
Resistant to chemical attack
Abrasion and erosion protection
Better flexural strengths at all ages.
Low permeability
Excellent free/ thaw resistance

Shelf Life; 1 Year

Usage

It is an ideal product for use in underground structures, parking decks, bridge decks, mass restores and any construction that requires high strength and impermeable concrete.

Method of Application

It is recommended to use Taj Group MS with Taj Group high range water reducing agent to proved maximum workability while maintaining desired low water cement ration.

Dosage: 7 to 10% by weight of cementitious

Packing: 25kg H.D.P.F bag

3.1 TAJ LEASE

Product Name Description

Shutter/Mould release agent

Features

Provides a clean positive release even in intricate and difficult casting condition
Reduces labour cost cleaning time and possible damages to the form work
Assist in production of uniform mat stain-free concrete surfaces.

Shelf Life: 1 Year

Usage

To get fair faces concrete, it is applied on steel/timber shutter or mould

Method of Application

Clean the surface of the shutter/mould free from dust /laitance, then apply it very thinly with sponge applicator or by spraying.

Dosage/Coverage/Packing

Dosage: 25-60 s.q.m. per litre depending on surface condition

Packing: 20 ltr, 200 ltr container

3.2 TAJ CUREFREE

Product Name Description

Wax based concrete during compound

Features

Moistures barrier during curing period
No other curing necessary eliminates using of water, hessain or sand completely.
Reliable-no risk erratic or poor curing and ensures cement hydration efficiently
Ensures hard wearing surface in concrete minimises risks of drying shrinkage, cracks and dusty surface.

Protects concrete surface against influence of aggressive atmosphere conditions

Eco-friendly

Shelf Life: 1 year

Usage

To get fair faces concrete, it is applied on steel/timber shutter or mould

Method of Application

Clean the surface of the shutter/mould free from dust /laitance, then apply it very thinly with sponge applicator or by spraying.

Dosage/Coverage/Packing

Dosage: 25-60 s.q.m. per litre depending on surface condition

Packing: 20 ltr, 200 ltr container

3.2 TAJ CUREFREE

Product Name Description

Wax based concrete during compound

Features

Moistures barrier during curing period

No other curing necessary eliminates using of water, hessain or sand completely.

Reliable-no risk erratic or poor curing and ensures cement hydration efficiently

Ensures hard wearing surface in concrete minimises risks of drying shrinkage, cracks and dusty surface.

Protects concrete surface against influence of aggressive atmosphere conditions

Eco-friendly

Shelf Life: 1 year

Usage

On freshly cast concrete or newly exposed concrete surface after removal of formwork to form a temporary membrane which will retain sufficient moisture for effective curing to take place.

Useful for large areas of concrete such as road, pavement, runways, bridge decks and industrial floors.

Also for vertical or sloping surface as on chimneys, towers, silos, canal lining, columns, and beams where water curing is difficult or unreliable.

Method of Application

By spraying or by soft brushing

Dosage/Coverage/Packing

Dosage: 2.5 to 5.0 m²/Ltr depending on surface texture.

Packing: 20 ltr & 200 ltr container

3.4TAJ RITECURE

Product Name Description

Aluminised resin base curing compound

Features

Sprayable curing compound for concrete surfaces.

Provides maximum moisture retention though the 28 days curing period which is necessary to archieve designed concrete strength

Shelf Life: 1 year

Usage

As above

Method of Application

By spraying or by soft brushing

Dosage/ Coverage/ Packing

Dosage: Depends on texture of surface.

Steel trowelled surface 7m²/litre wood floated surface 5m²/litre

Packing: 20 ltr, 200 ltr container

3.5 TAJ PRIMER

Product Name Description

Features

Provides smooth and uniform finish of decorative paint. It makes surface waterproof and non-absorbent

Shelf Life: 6 Months.

Usage

Waterproof primer for concrete, plastered and P.O.P surface. It can be used successfully as a wood primer.

Methods of Application

The primer should be stirred well before use. Apply a coat of Taj Group primer by brush/roller directly without thinning on properly prepared concrete plastered surface. The decorative finish paint should be applied after 4-5 hours of primer coat.

Dosage/Coverage/ Packing

Dosage: Depends on surface porosity. Absorption & evenness Approx 11m²/ltr

Packing: 1 ltr, 4ltr, 10ltr, 20ltr, container.

4.impregnations

4.1 Taj Group Sipel

Product Name Description

Silicon based water repellent coating/raincoat

Features

Ready to use by brush or spray directly from container

Most effective on any siliceous surface, old or new

Eliminates dampness on walls due to capillary action

Reduces risks of efflorescence, lime erosion, rust staining, direct collection, formulation of mild dew, moss lichen and frost spalling.

Preserves natural colour and textures of the treated substrates.

Allow surface to breathe.

Shelf Life: 1 year

Usage

Is applied on siliceous/mineral surfaces especially on exterior building brickwork, concrete cement/ sand rendering, plastering, natural or cast stone.

Methods of Application

To use as a rain coat on masonry, concrete, brick/stone work surface or any silicious surface brush or spray directly.

Dosage/Coverage/ Packing

Coverage: 6 to 10m² depending on porosity of the substrates.

Packing: 1 ltr, 5 ltr, 20 ltr container

4.2 TAJ Sealcoat

Product Name Description

Acrylic base water repellent transparent coating

Usage

It is suitable for application on concrete blocks, bricks, stone, cement plaster to seal moisture movement completely and permanently.

Method of Application

Surface preparation is most vital before application. Surface should be free from running water and surface should be dry. Application by spray or fine brush.

Dosage/ Coverage/Packing

Coverage: 4-5 m²/Litre in two coats depending on porosity and type of surface.

Packing: 5 ltr and 20 ltr container.

5.1 TAJ Group GP

Product Name Description

Non –shrink general purpose cementitious grout

Features

Controlled expansion, to ensure positive surface contact

No rusting or stain on exposed edges

Premixed, only addition of water needed

Contains no calcium chloride

Shelf Life: 6 months

Usage

It is used for anchoring of bolts, base plate grouting under foundations.

Normal curing should be carried out in the vicinity of application

Compressive strength

1 day- 180kg/cm²

28days- 500kg/ cm²

Methods of Application

Measured quantity of water about 15%- 17% by weight of powder and grout powder should be thoroughly mixed for 5 minutes to get free flow grout. Plastic grout can be obtained with lesser water. For dry packing still lesser water is to be used.

Dosage/ Coverage/ Packing

Yield: 1850-1900 of dry powder grout mix per m³ of grout depending on flowability requirement and gap.

5.2 TAJ Grout VI

product Name Description

Pre-mixed high strength non- shrink cementitious grout

Features

Is chloride free and non-metallic grout.

Has a measured, volumetric expansion.

Is water and oil resistant and non corrosive

Has extremely high adhesive and pull out strength

Withstands great fluctuation of moisture, dryness, heat and cold

Shelf Life: 6 months

Usage

Same as Taj Group Grout GP but where higher compressive strength is required.

Compressive strength

1day – 250kg/cm²

28 days- 700kg/cm²

Method of Application

Measured quantity of water about 15%-17% by weight of powder and grout powder should be thoroughly mixed for 5 minutes to get free flow grout. Plastic grout can be obtained with lesser water. For dry packing still lesser water is to be used

Dosage/Coverage/Packing

Yield: 2100 kg of dry powder grout mix produces one cubic meter of flowing grouting.

Packing: 40 kg bag.

5.3 TAJ Grout ES

Product Name Description

Pre-mixed exceptional strength non shrink cementitious grout

Features

Chloride free and non-metallic

Has controlled expansion

Provided a high bonding strength and is resistant to high impact and vibration

Is water and oil resistant and non corrosive

Withstands great fluctuations of moisture, dryness, heat and cold

Shelf Life: 6 months

Usage

Same as Taj Group grout VI but with still higher strength

Compressive strength

1day- 300kg/cm²

28 days- 800kg/cm²

Method of Application

Measured quantity of water about 15%-17% by weight of powder and grout powder should be thoroughly mixed for 5 minutes to get free flow grout. Plastic grout can be obtained with lesser water. For dry packing still lesser water is to be used.

Dosage/ Coverage/ Packing

Yield: 2200-2250 kg dry powder grout mix yield about one cubic meter of flowable grout.

Packing: 40 kg of dry powder in vapour barrier bags.

05.4 TAJ Poxy Grout

Product Name Description

Exposy resin grout in three parts

Features

Fast & accurate fixing of bolts and machine

High chemical resistance to acids alkalis and water of aggressive salts

High compressive flexural and tensile strength

High chemical resistance to acids alkalis and water of aggressive salts

Non shrink, durable-well proven for over decades

Shelf Life: 1 year

Usage

In situation where high precision grout is called for

Compressive strength-

1 day- 750 kg/cm²

28 days-860kg/cm²

Methods of Application

Mix the three components in proper ration thoroughly and pour under the base plate.

Dosage/ Coverage/ Packing

Consumption of mixed materials for grout 2 kg per Ltr

Packing: A+B+C: in 5 kg pack(can be changed as per bulk requirement)

5.5 TAJ Non-shrink polymeric water proof Grouting Compound (NSPGC)

Product Name Description

An admixture for injection grouting where the grout is site produced

Usage

Features

Hydrogen free grouting aid.

It is a free flowing powder for addition to neat cement milk

It plasticizes the mix allowing for substantial reduction in water content without affecting the fluidity, thus improving the strength and impermeability of the grout.

Shelf Life: 1 year

Usage

It is used in net cement grout and also cement/sand grout for unjection into concrete structures through nozzles. As water is reduced around 10 to 15%, the strength of the grout increases.

Method of Application

Once the grout is made, it will develop high fluidity. So water, can be reduced when NSPGC is used. The great should be used within 30 minutes from the time of production.

Dosage/ Coverage/ Packing

Dosage: Varies from 0.5% - 2% by weight of dry cement. The optimum dosage depends on the nature of the work.

Packing: 5kg and 25kg bags

5.6 TAJ Grout E1

Product Name Description

Injectable water insensitive theo-plastic cementitious grout

Features

Ready to use, only controlled addition of water is required.

Controlled expansion to ensure positive surface contact.

Chloride free.

Shelf Life: 6 months

Usage

Grouting in correct structures with medium to fine cracks, crevices, honey combed concrete etc. Grouting anchor bolts of machine foundation and columns etc.

Compressive strength

1 day – 160kg/cm²

28 days- 450kg/cm²

Method of Application

For injecting grout in cracks of concrete structures, normal procedure of injection to be followed. But for grouting anchor bolts and base plates, proper surface preparation is essential. Proper surface preparation is essential. Before injection of cracks the concrete surface is to be fully saturated with water at least 8 to 10 hours before application of grouting.

Dosage/ Coverage/ Packing

Dosage: 2.5 kg of dry mix produces about 1 Ltr of grout.

Packing: 25kg bag

5.7 TAJ Poxy 21

product Name Description

Low viscosity high strength injectable epoxy grout in tow parts.

Features

Fast curing epoxy resin system for pressure injection into concrete for carrying structural repairs.

Due to its low viscosity it can be injected into extremely fine cracks also

Shelf Life: 1 year

Method of Application

It is injected through nozzle for structural stability. Seals cracks and joins the adjacent portions.

Method of Application

Drilling of holes and fixing of nozzles are pre-requisite for injection. Inject through nipple with positive displacement plunger pump after through mixing.

Dosage/ Coverage/ Packing

Mixing ratio: Pack A 100 parts: pack B 50 part by wight.

Packing : 15 kg Kit, 60 Kg Kit.

5.8 TAJ Polygrout

Product Name Description

Expansive aquareactive water barrier and grouting system

Features

Very remarkable solidifying property even in ground where water flow is violent. It stops water from oozing and solidifies the ground with high strength.

Imparts successful solidifying property in all types of water, such as sea water, internal water or that containing slight acid and alkali.

Extremely stable both chemically and physically and will not be damage by any bacteria/fungus.

Completely non-pollutant to the water it contacts and has no effect on potable water, fish or marine life.

Usage

On contact with water polygrout starts reacting with water and the grout expands penetrating into its surroundings and quickly cures to a tough solid to repel the influence of underground seepage/ flow. The expanded foam is unaffected by corrosive environment. Can be used in civil engineering and building construction works for various purposes.

Method of Application

It is generally pumped as a single component through low-pressure hand operated pumps or special high pressure pumps as required. The surface is sealed/patched properly to prevent the injected liquid to come out. When water is not present in sufficient quantity, required quantity of water is required to be injected.

Dosage/ Coverage/Packing

Dosage: N/A

Packing: 5kg, 20kg



Contact Us

Contact information for Taj Group companies in India.

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