



CONSTRUCTION CHEMICAL





Company Profile

D FIX ENTERPRISE and its group companies are engaged in manufacturing of industrial goods since last 20 years to market high Quality Epoxy systems and Polyurethane systems covering all fields like adhesives, floor-coatings, construction chemicals, electrical coating and insulation Industries with a wide market range for Industrial - Architectural sectors along with consumer sectors.

Each business in step with the company vision, develops and implements its growth plans. Since inception our constant effort is to sell quality products.

D Fix Enterprise has complete product solutions for all your needs. Presently we are serving approximately 1000 distributors and customers with about 400 products and making persistence effort for building new products as per stipulation, having a turnover of 150 crore.

Our growth strategy is to focus on segments of larger markets where we can establish leading market position through consolidation and organic growth.

Our Goals

To provide quality and cost effective products which cater all classes of society with a tinge of satisfaction and excellence.

To sell products that meet the present day needs of customers through technical upheaval.

commitment to sustainability encompasses ecological, economical and social aspects.

Our Principles

To be a leader in production of building materials and flooring, catering to the needs of our customers and to make ourselves visible on the face of the earth.

To be a sound, well capitalized, principled manufacturer with the fundamental concept of diversification that enables us to consistently achieve superior returns for our employees and costumers.

We believe in deep collaboration and cross-pollination of our groups, which allow us to innovate and grow in a remarkable way.



INDEX

D+ GP 1000 (Tile Adhesive)	1
D+ GOLD 2000 (Wall & Floor Adhesive)	2
D+ MAGIC (Glass Adhesive)	3
D+ MASTER WALL PUTTY	4
D+ 333 BLOCK ADHESIVE	5
D+ CEMENTO POLYMER GROUT	6
D+ EPOXY TILE GROUT	7
D+ SUN COOL TERRACE COAT	9
D+ PRO COAT 2k PU	11
D+ GROUT ADMIXTURE	13
D+ DELASTIC PU	14
D+ DELASTIC - T	15
D+ MULTIPURPOSE LW 222	16
D+ PREMIUM SBR 111	17
D+ TILE CLEANER	18
CRACK & FIX	19

D+ GP 1000 (Tile Adhesive)



D+ GP 1000 is a rigid set, high quality cement-based adhesive suitable for most types of vitrified, ceramic, wall and floor tiles including natural of regular size. D+ GP 1000 is also suitable for renovation of interior floor and walls.

Features & Benefits :

- High strength bond
- No odour
- Economical
- Water cleanable
- Non toxic
- Easy to spread
- Interior use for wall and floor
- thick & thin bed application

Recommended Uses :

- Concrete
- Cement
- Brickwork

Surface Preparation :

All surface must be clean, dry, and free from dust, grease, wax, oil, laitance curing compounds and all other contaminants likely to prevent the adhesive bonding. Concrete should be allowed to cure for at least 28 days and cement to render for 7 days prior to tiling.

Mixing :

20 kg D+ GP 1000 powder requires approximately 5 to 5.5 ltr of water per bag. Add pre-measured water to a clean mixing container and sprinkle D+ GP 1000 powder slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow to stand for two minutes. Then remix. The adhesive is now ready to use.

Application Procedure :

Apply the mixed adhesive to the prepared substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 3mm bed thickness for walls and floors must be achieved. Ensure the bedded tiles are fully supported by the adhesive with no voids underneath or behind. Lay tiles into the adhesive before it skins. The adhesive may also need to be applied to the back of the tiles to accommodate the required levels. Do not disturb tiles until the adhesive has dried. Commence grouting after 24 hours when tilework is firm.

Coverage :

Approx 55-60SQ. ft per 20 kg Bag using ¼"X ¼" (6mmX6mm) Notch Trowel for a bed of 3mm.

Available colors : Grey

Packaging : 20 Kg

Technical Information :

Compressive strength	34.00 KN 13.60 N/mm ²
Water mixing ratio	28% to 30%
Pot life	≥ 5 Hrs.
Density wt/ vol. (gm/cm ³)	01.70
Open Time	≥ 20 minutes
Adjustability	≥ 35 minutes



D+ GOLD 2000 (Wall & Floor Adhesive)



Improved Performance Cementitious Adhesive For Any kind of Tiles

D+ GOLD 2000 is a no slip, high adhesion quartz adhesive. It can be applied upto 10 mm bed thickness. High dispersion copolymers hydraulic binders composed of only cement clinker in D+ GOLD 2000 provides rheological mixture for a prolonged stability. It serves purpose of high resistance laying on flooring and wall of ceramic and homogeneous tiles and glass mosaic on cement based substrates.

Area of Application :

- Fixing absorbent floor and wall tiles outdoors and indoors. The tiles can be made of cotto, double fired, single fired ceramic.
- Fixing poorly absorbent materials or non-absorbent materials such as single-fired tiles, refine porcelain stoneware and vitrified tiles.
- Suitable for use when high performances are required, such as tile fixing in industrial environment or fixing on top of old ceramic tiles or natural stone indoors, in swimming pools or on facades.
- Fixing on heating floors.

Suitable Substrate :

- Cement Mortar Based
- Cement Terrazo
- Cement Plaster
- Old Ceramic Floors

Advantages :

- Dual use: for both floors and walls
- High bond strength
- High Tack - Will hang tile without slippage
- Easy to Use
- Increased flexibility
- Improved impact resistance

Mixing :

Stir D FIX admix thoroughly before use.

Place clean, potable water or a D FIX latex admix into a clean pail. Add D+ GOLD 2000 powder. Use approximately 6L of water for 20 kg of powder. Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow adhesive to slake for 5-10 minutes. Adjust consistency if necessary. Remix and apply with the proper sized notched trowel.

Application :

Apply adhesive to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional adhesive with the notched side. Use the proper sized notched trowel to insure full bedding of the tile. Spread as much adhesive as can be covered with tile in 10 minutes. Back butter large tiles (> 12"x12") to provide full bedding and firm support. Place tiles into wet, sticky adhesive and beat in using a beating block and rubber mallet to imbed tile and adjust level. Check adhesive for complete coverage by periodically removing a tile and inspecting bedding adhesive transfer onto back of tile. If adhesive is skinned over (not sticky), remove and replace with fresh adhesive.

Coverage: Approximately 55 To 60 Sq. Ft For 20 Kgs. Bag With 6mm X 6mm Square Notch Trowel For A Bed Of 3 Mm

Packaging : 20 Kg

Technical Information :

Colours	Grey & White
Mixing Ration	6 Ltrs/ 1 Bag 20 Kg
Pot Life	≥ 4 Hr
Open Time	≥ 30 Minutes
Adjustability	≥ 45 Minutes
Bed Thickness	3mm To 10mm
Grouting	≈ 8 Hr On Wall/ ≈ 24 Hr On Floor



D+MAGIC (Glass Adhesive)



GLASS MOSAIC ADHESIVE FOR INTERIOR & EXTERIORS :

D+MAGIC is a single component white adhesive. That is functional for high resistance laying of ceramic tiles, glass mosaics and homogeneous tiles. The tacking polymers deformability (superior spreadability) and fine finishing of the material affixed.

Areas of Application :

- Facades, heat-radiant slabs, flooring and walls, indoor/outdoor use, in civil, industrial and commercial applications and for street furniture, in areas which are humid and subject to thermal shock and freezing.
- Floors and walls, for internal and external use
- Laying of ceramic and homogeneous tiles of all types, glass mosaic, stable marble and natural stone on flooring and walls, on cement-based deformable and non-absorbent substrates and heated subfloors.
- Suitable for homogeneous tiles, ceramics, large formats, low thickness slabs and stable natural stone
- Thicknesses up to 15 mm.

Features & Benefits :

- Guaranteeing the long life of floors and coverings subject to large temperature variations
- Mineral adhesive for high-performance, high-deformation laying or overlaying with no vertical slip
- Power develops high transversal deformation along with high resistance to
- The stress of water and freeze / thaw cycles
- Single-component with very low volatile organic compound emissions

Application :

1. Power should be applied with a suitable toothed spreader, to be chosen according to the size and characteristics of the rear surface of the tiles. It is best to use the smooth part of the trowel to spread a fine initial layer, pressing down hard so as to obtain maximum adhesion to the substrate and to regulate water absorption, after which the thickness can be adjusted as required by tilting the spreader at an angle.
2. Spread the adhesive over a surface area which will allow for laying of the covering materials within the indicated open time, and check for suitability of the adhesive at regular intervals. The open time may vary considerably even during the application, depending on various factors such as exposure to sunlight, air currents, absorbency of the substrate, temperature and relative humidity of the atmosphere.
3. Press down each tile to allow for complete, uniform contact with the adhesive. In the case of laying in environments subject to heavy traffic, in outdoor locations, on underfloor heating systems or with materials
4. In general, ceramic tiles do not require preliminary treatment, however these materials should be checked to ensure they are free from traces of residual dust or materials not properly anchored to the surface.

Coverage :

This shall depend on the nature and flatness of the surface and the method of application, but at 1.5 mm thickness it is approximately 100 sq.ft for 20kgs bag with a "v"notch (3mm x 3mm) trowel when using a solid-bed trowel. For good coverage, it is vitally important that all surfaces should be clean, smooth, plumb, level and free from defects and undulations.

Packaging : 20 Kg

Technical Information :

Color	White
Mixing ratio	5.6 to 6.4 ltrs/ bag 20 kg power
Pot life	≥ 4 hr
Open time	≥ 30 min.
Adjustability	≥ 45 min
Bed thickness	1.5mm to 10mm
Grouting	≈ 8 hr on wall / ≈ 24 hr on floor



D+ MASTER WALL PUTTY



WHITE CEMENT BASED PUTTY FOR INTERIOR AND EXTERIORS :

D+ FIX Master Wall Putty is a white cement-based fine powder. It serves as filler/ leveller for walls and ceilings. It provides a waterproof surface with excellent smoothness, good adhesion, good breathing properties, and seals porosity for uniform deposition of finished paint and enhances durability. It is a water resistant white cement based putty ideal for use on concrete/mortar walls (internal and external) and ceilings. It fills the fine pores of mortar/concrete walls and ceilings and provides a white, smooth and dry surface, essential for painting. It helps you combine the suave look with beauty for interiors and exteriors. No need to apply any kind of primer on it before application of paint or distemper. It prevents the growth of algae and fungi on walls. prime putty can be applied even on moist surface (internal/external). It has more adhesive strength, durability and enhances the life of paints. Being white cement based, does not require water curing.

Areas of Application :

- Walls and ceilings
- ideal for use on concrete/mortar walls (internal and external)
- It can be used any type of surface like concrete, rendered wall, hollow block,
- Precast walls, concrete ceilings, calcium silicate bricks etc.

Features & Benefits :

- Master Wall Putty can be applied on both interior and exterior surfaces.
- Master Wall Putty does not require any curing.
- Master Wall Putty gives a smooth and glossy finish.
- Any kind of paint or distemper can be applied on it.
- Being a cementitious material it has better adhesiveness and durability.
- It can be applied on used surface after proper preparation.
- It is in dry powder form and does not produce any kind of unpleasant smell at the time of application.
- It is water resistant and can be applied on moist surface.
- It prevents the growth of algae and fungi on walls.
- No need to apply any kind of primer on it before application of paint / distemper

Application :

1. Remove all loosely adhering material from the wall surface with the help of emery stone, putty blade or wire brush and clean water. The substrate should be clean, free from dust, grease and loose materials.
2. Dry and absorbent surfaces should be moistened with sufficient quantity of clean water.
3. Mix Master Wall putty with 30% - 35% clean water slowly to make paste. Continue the mixing for 10-15 minutes till a uniform paste is formed.
4. After thoroughly mixing the Master Wall Putty apply the first coat on already moistened wall surface from bottom to upward direction uniformly with the help of putty blade. This would ensure less wastage and proper finish.

Coverage :

The coverage area of Master Wall Putty on smooth normal mortar wall is 20 to 25 Sq. Ft/Kg/mm in double coat.

The coverage area, however, will depend upon the quality of the substrate.

Packaging : 20Kg

Technical Specification :

Compressive Strength (28 Days)	14.00 N/mm ²
Surface Hardness	3
Tensile Adhesion (28 Days)	2.69 N/mm ²
Water Demand	30-35% by volume (depending on weather and site needs)
Pot Life	2 Hours
Maximum Thickness (Two Coat)	1.5mm



D+333 BLOCK ADHESIVE



D+333 Block Adhesive is a versatile thin jointing material for laying AAC blocks, fly ash bricks, concrete blocks etc. The product is specially designed to provide higher bonding as a result of higher tensile adhesion strength. AAC Block Adhesive is pre-mixed, easy to apply high quality mortar comprising of cement, graded sand and admixtures. AAC Block Adhesive replaces conventional jointing mortar of 12-18 mm thickness with highly versatile 3-5 mm thickness. **D+ 333 BLOCK ADHESIVE** AAC Block Adhesive helps to speed up the build process and achieve the required insulation performance of AAC Blocks for the buildings. AAC Block Adhesive (Thin joint masonry) is a fast, clean, accurate system for construction using autoclaved aerated concrete blocks of close dimensional tolerance with 2mm - 3mm mortar joints.

Areas of Application :

- Laying and jointing of fly ash bricks, cement blocks, hollow blocks, AAC blocks etc.
- Jointing of pre-stressed concrete slabs, panels.
- Parapet walls
- Jointing of cement window and door frames.
- Garden and boundary walls.

Features and Benefits :

- Thin jointing material with very high adhesion strength
- Pre-mixed and ready-to-use. Only water is to be mixed at site
- Economical. Eliminates lengthy and cumbersome processes of site mixing, thus transport and storage of all individual materials is avoided
- Easy to mix and much faster application
- Thin layer application results in structure being compact
- No water curing is required after application

Coverage :

Under normal conditions the coverage of **D+333 Block Adhesive** Block Adhesive is approx. 11.15 sq. mtr. with average thickness of 3mm for a bag of 40 kgs. The coverage area however will depend upon the quality of the substrate and thickness of the material used. For best results, proper tools for mixing and application is advised which will result in higher coverage, savings in time and manpower.

Packaging : 30kg / 40kg

Technical Specification :

Appearance	Free Flowing Powder
Color	Grey
Water Demand	25 to 30%
Open Time	30 Min.
Adjustability	45 Min.
Hard Dry	24 Hours
Self Curing	Yes (no additional water curing is required)



D+ CEMENTO POLYMER GROUT



D+ Cemento Polymer Grout is a single part high degree of hardness, calibrated and smooth finish that is suitable for high resistance grouting from 1 mm to 12 mm on all horizontal and vertical surfaces with complete range of tiles and stone. It is thixotropic has a wide range of colors and finishes. The heavy research by engineers for innovations via market feed back has made **D+ Cemento Polymer Grout** an architect's choice and user's pride. It was available range of colours are developed to match all moods of colours, band including classic indian, victorian, contemporary.

Areas of Application :

- Floors and walls
- Floors and walls, for internal and external use
- For environments subject to heavy traffic
- For internal and external use
- Ideal for decorating corrected slabs
- In domestic, commercial and industrial applications
- Suitable for homogeneous tiles, ceramics, low thickness slabs and natural stone
- Swimming pools, tanks and fountains and also in areas subject to thermal shock and freezing
- Water-repellent and low absorption

Features & Benefits :

- Easy to clean and maintain
- High-performance grouting, from 0 to 5 mm, with extra-fine finish, high degree of hardness and reduced water absorption
- Natural bacteriostatic and fungistatic
- Single-component with very low volatile organic compound emissions, contains recycled raw materials.

Coverage : Please refer our coverage table.

Packaging : (1kg* 10)

Technical Specification :

Apperance	White
Mineralogical nature of inert material	Crystalline Carbonate
Temperature range of application	From +5°C to +35°C
Foot traffic	12-24 hours
Joint Width	1-12 mm
Pot Life @ 350 ± 20	30 Minutes
Cure @ 350 ± 20	24 Hours
Temperature Resistance	-30°C To 150°C
Water : Grout Ratio	1:03
Compressive Strength	24 Hours Min. 4.00 N/mm ² 48 Hours Min. 8.00 N/mm ²
Flexural strength after 28 days	> 07 N/mm
Compressive strength after 28 days	≥ 30 N/mm
Resistance to abrasion after 28 days	≤ 265 N/mm



D+ EPOXY TILE GROUT



D+ EPOXY TILE GROUT is a state of GROUTING material of highest quality that provides aesthetic effect and durability. It perfectly prevents stains, spillage, chemical attack in filled groove thicknesses of tiles, stones. **D+ EPOXY TILE GROUT** is thixotropic two part epoxy based formulation having excellent resistance to wear and European choice special sheen affect which makes it a darling choice of consultant fraternity. Part A consists of a mixture of epoxy resin, siliceous aggregates and additives. Part B consists of mixture of organic catalysts. The advantage of two part epoxy grout system of **D+ EPOXY TILE GROUT** is its high user friendliness i.e. the filling of this GEL filler in the grout is easier than all the distantly following equivalent products. It has a matt finish with an ingredient that provides crystalline sheen affect with ease of clean ability. It is suited for residential and commercial installations including those with total hygiene control, damp and wet environments.

Areas of Application :

Suitable for resistant installation and grouting of floor and wall tiles and mosaic in interiors and exteriors with grout joints between 2 to 15 mm wide, such as :

- Floor and wall tiles in general
- Floor and wall tiles in bathrooms and showers
- Under floor heating
- Kitchen counter tops
- Terraces and balconies
- Dairy & Food Processing Plant

D+ EPOXY TILE GROUT can be used for the grouting of ceramic tiles in environments submitted to direct contact with foods, like workbench of meats, dairy products of floor, basin for fish breeding, workbench in restaurant and bakeries.

Suitable for applications where surfaces are exposed to aggressive chemical substances such as dairies, laboratories, pubs, food factories in general. Also recommended for grouting swimming pools and tanks containing thermal or brackish water.

Suitable Substrates :

- Concrete
- Brick Masonry
- Concrete Masonry
- Cement Mortar Beds
- Gypsum Wallboard
- Ceramic Tile And Stones
- Exterior Glue Plywood

Colors Available : As per shade card

Packaging : 1 kg / 5 kg

Technical Specification :

Appearance

Shelf Life

Mixing Ratio

Mix Consistency

Specific Gravity of Mix

Pot Life

Permitted Application Temperatures

Recommended Application Temperatures

Walk on Time

Ready for Use

Joint Width



Part A : Thick Colored

Part B : Soft

24 month in the original packaging in Dry Place

Part A : 2 Parts by Weight

Part B : 1 Parts by Weight

The two parts are pre-batched in their respective containers.

Creamy

1.55 kg / l

About 45 minutes at T= +23° C

From + 12° C to +30° C

From + 18° C to +23° C

24 hours at T= 23° C

5 Days at T=23° C

From 2 to 15 mm

D+ EPOXY TILE GROUT

COMPARISON OF GROUT

D+ Grout	Other Grout
D+ Grout is a two component system, consisting of resin and hardener .	They have a three component system, consisting of resin hardener and filler
The system is pigment based.	The system is filler based.
No variation in color during/after application due to pigment	May cause variation in color during /after application due to filler.
Doesn't cause irritation while mixing	May cause irritation while mixing.

COMPARISON OF OUR PRODUCTS

D+ Grout	Other Grout
We have a wide range of color which include sparkle colors and different shades too.	May not have wide color range.
We provide applicators for material application on field along with the raw material.	Doesn't provide applicators
Packaging material is scientifically tested and approved.	No proof of packaging material.
Easy application and usage.	May not have easy application.



D+ SUN COOL TERRACE COAT



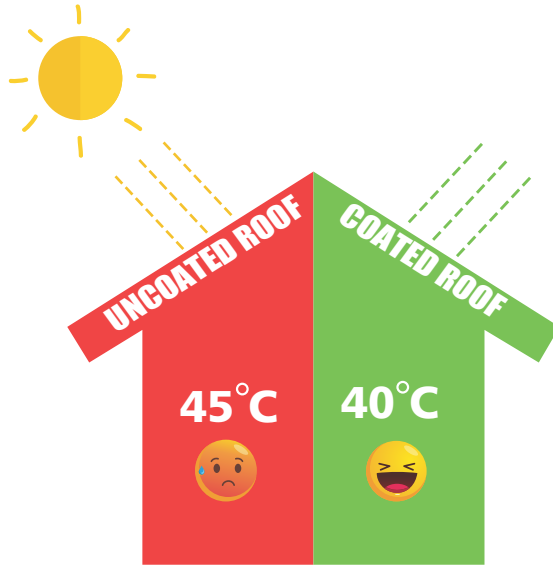
D+ SUN COOL TERRACE COAT is composed of high quality acrylic polymer, light fast & weather durable pigments, properly selected & graded fine fillers, additives & biocides. It is used as a waterproofing & protective coating for exterior walls of the buildings.

Areas of Application :

- All types of exterior masonry surface, concrete, cement sand renderings, etc.
- Applicable on china chipes tile also (along with recommended D-Fix Primer Coat).

Features And Benefits :

- Waterproofing : Higher film thickness provides crack bridge ability, waterproofing properties.
- Flexibility : Flexible and covers hairline cracks (upto 0.5 mm) effectively, thus prevents ingress of water.
- Toughness : Tough film withstands wind driven rain.
- Microbial resistance : Resistance to fungus and algae hence maintains the aesthenic value.
- UV resistant : Resistance to UV hence coating has longer life.
- Low dirt pick up : Very low dirt pick up & can be cleaned easily hence maintains the aesthetics.
- Ease of application : User friendly, easily applicable by brush, roller or spray.



UNCOATED ROOF :

- Sun rays heats up to building.
- Uncoated roof absorbs the heat & transmits into the building.
- The roof temperature can rise about 8 to 20 D during peak summer.
- The internal room temperature raises resulting in distress & higher air - conditioning cost.

COATED ROOF :

- Reflects 90% of infrared rays back.
- Protects the building from getting hot even during peak summer.
- No heat enters the building, resulting in cooler rooms & less air - conditioning cost.
- Protects the building from ageing fiber reinforced waterproofing energy saving of up to 30%
- Your roof looks bright & new with all the above advantages.

D+ SUN COOL TERRACE COAT

Areas of Application :

- Use **D+ SUN COOL TERRACE COAT** directly from the container. Stir contents well before use.
- Apply two neat coats of **D+ SUN COOL TERRACE COAT** without dilution by brush or roller at a time interval of 5-6 hours.
- For enhanced protection, apply additional coat of **D+ SUN COOL TERRACE COAT** on rain lashing walls, chajjas and parapet walls.
- Allow the coated surface to air cure fully for 7 days.

Precautions & Limitations :

- Recommended to be primed with **D+ SUN COOL TERRACE COAT** Primer only.
- Do not apply when ambient temperature is below 10° C or above 45° C.
- Do not apply in direct sunlight or during rains.

Coverage :

3.0 to 3.5 m per litre for 2 coats.

Coverage may vary depending upon the texture and porosity of the surface.

Packaging : 5 kg/ 20 kg

Technical Specification :

PROPERTIES	RESULTS
Nature	Single Component
Appearance	White Liquid
PH	7.5 - 8.5
Specific Gravity	1.30 + 0.01
Solid Content %	Min. 52%
Elongation %	Min. 60%
Water Permeability - Depth of water penetration	6
Reduction in water penetration	68%
Rapid chloride penetration test - Penetration of chloride ion	Very Low
Algae & Fungal resistance	No Growth
Accelerated weathering - 2000 hrs UV exposure	No Defects
Tensile Strength, N/mm ²	1.5
Adhesion Strength, N/mm ²	1
Coating Thickness (2 coats DFT), microns	110



D+ PRO COAT 2K PU



D+ PRO COAT 2K PU is a tough protective paint applied on exterior and interior structures that are exposed to extreme weather such as scorching heat, gusty winds and pouring rain. Polyurethane coating is highly resistant to such extreme weather conditions and it provides excellent durability combined with good aesthetics. It should be applied for long - term protection of the substrate where significantly lower maintenance is required. **D+ PRO COAT 2K PU** Procoat a two - component acrylic polyol and aliphatic isocyanate based polyurethane coating designed to protect the base waterproof layer as well as decorate the substrate.



UV Resistant :
Protects the base epoxy layer,
there by increases the life of structure



Weather Resistant
Protects the structure from
extreme weather conditions



Abrasion Resistant
Does not tear and wear easily,
thus providing longer life



Dirt Resistant
Resists dirt pick-up and can be
easily washed off by water to
maintain the original lustre and
colour of coating



Temperature Reduction
White PU coating reflects sunlight,
helping reduce inside temperature



Glossy Effect And Colour Retention
Increases aesthetic appeal of structure

Parameters	D +Pro Coat 2K Pu	Acrylic based paint
UV resistance	Excellent	Good
Abrasion resistance	High	Low
Tensile strength	High	Low
Adhesion strength	Strong	Moderate
Elongation at break	Good	Average
Solar reflective index (SRI)	Excellent	Good
Chemical resistance	Good	Average
Fungus and algae resistance	Good	Good
Gloss	High	Low
Weather resistant	Excellent	Good
Longevity	6 - 9 years	5 - 7 years
Water resistance	Good	Average

D+ PRO COAT 2k PU

Recommended Uses :

A high performance polymeric finish system developed for the long term protection of all type of structures such as concrete, brick work, plaster, steel, aluminum & galvanized steel sterile areas hospitals pharmaceuticals food, drug industries residential & commercial buildings internal / external hygienic wall coating etc.

Areas of Application :

- Stir the resin and hardener separately
- If setting is observed in the resin, loosen the settled material with the help of a hand stirrer
- Mix hardener gradually into the resin under continuous stirring in a ration of 4:1 (resin : hardener) with the help of a power driven stirrer until a homogenous paste is achieved
- Ensure that the substrate is dry, clean and free of contaminants such as oil and grease
- In case of aged epoxy or PU coating, the surface should be sufficiently roughened prior to coating
- Apply a suitable epoxy primer
- Application can be done in 1 or 2 coats depending upon the substrate.

Available Shades :



Golden Yellow



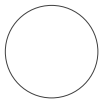
Olive Green



Tomato Red



White



Transperant



Dim Grey



Black



Turquoise Blue



Technical Specification :

Composition	Acrylic polyol resin with isocyanate hardener with suitable pigmentation
Colour	Available in various shades
Gloss	Glossy
Volume solids	Approximately 45%
Mixing ratio	4:1 (resin : hardener)
Theoretical covering capacity*	11.2 -15 m ² /ltr
Pot life at 25°C	6-8 hour
Drying time at 30°C	Surface dry : 1 hour
	Hard dry:16-hour
	Full cure : 7 days
Recommended DFT/ coat	30 - 40 microns
Flash point	Resin: 24°C
	Hardener: 24°C

*Coverage may vary depending upon the surface conditions

D+ GROUT ADMIXTURE



SYNTHETIC POLYMER EMULSION BASED ADDITIVE FOR

A synthetic polymer emulsions for use with cement based grouts. Suitable for use in interior and exterior locations in both dry and wet service conditions. **D+ GROUT ADMIXTURE** is a polymer additive for cement-based grouts. Not for use with adhesives. This admixture is manufactured under an approved quality assurance system conforming as per BS EN ISO 9002

Areas of Application :

- For internal and external use, in domestic, commercial and industrial applications for street furniture
- In environments subject to heavy use
- Natural stone, agglomerate materials, marble Flooring and walls
- Suitable for use as an additive in cement-based grouts
- Suitable to grout homogeneous tiles, low thickness slabs, ceramic tiles, klinker, cotto
- glass and ceramic mosaic of all types and formats
- Swimming pools, tanks and fountains, for grouting deformable substrates, also in areas subject to thermal shock and freezing

Features & Benefits :

- Does not alter workability, ease of cleaning and interval before normal use
- Improves water repellence and surface hardness
- Increases the flexibility of grouts, guaranteeing the continuity of coverings
- laid on deformable substrates or subject to thermal expansion increases adherence
- Professional elastomeric latex

Solvent-free

- Water-based flexibilizing agent for normal and rapid-setting mineral grouts,

Method of Application :

For most applications dilute 1 part **D+ Grout Admixture** with 2 parts water use the **D+ Grout Admixture** : water blend to replace the gauging water when preparing the grout for use.

Coverage : Depends upon the dosages.

Packaging : 100 ml / 1 ltr

Technical Specification :

Colors	White liquid
Dosage	100 ml / 1 kg of polymer grout
Dosage	1 ltr / 10 kg of polymer grout
Ph	9.5 (alkaline)
Viscosity	14 mPas, rotor 1 RPM 100 Brookfield Method,
Spindle no 4, rpm 100 tem.	25° C
Solids content	46 1%
Temperature range	From + 5° C to + 45° C

D+ DELASTIC PU



D+ Delastic PU is a two component high performance polyurethane ceramic tile and stone adhesive for laying ceramic coverings and natural stones on difficult and also vibrating substrates like metal, PVC and boards coated with plastic materials. It is a solvent less system which makes it ecofriendly . For interior and exterior use.

Typical Use :

- Ceramic coverings
- Fully vitrified tiles
- Stoneware tiles
- Split clinker flags and floor quarry
- Clinker one-quarter bricks
- Glass and porcelain mosaic
- Ceramic tiles on substrates, where Stress can occur
- Natural and artificial stones, sensitive to discoloration and deformable
- As waterproofing membrane in normal loaded wet areas

Product Features :

It is a two-component, solvent and water free adhesives which are flexible and waterproof. They are made up of a polyurethane base (component A) and a special hardener (component B). On mixing the two components together, the result is a paste with the following properties:

- Good workability
- Water-proof
- Long open time
- High tensile, compression and shear strength
- Safe application and multi-purpose use
- Hardening without shrinkage
- Excellent durability and resistant to ageing
- High deformability
- Hard elastic
- Contains no plasticizer

Suitable Substrates :

- Concrete
- Cement mortar beds
- Plywood
- Gypsum wall board
- Calcium silicate board
- Bison panel board
- Concrete masonry
- Cement plaster
- AAC Block masonry
- Cement terrazzo
- Existing ceramic tile
- Other resilient tile and stone
- Plastic laminated boards
- Steel and other metals (free of rust and grease)
- Wooden-cement-boards
- Old PVC-coverings

Material Consumption:

With 4 mm notched trowel : approx. 2.0 kg/m²

With 6 mm notched trowel : approx. 3.0 kg/m²

With 8 mm notched trowel : approx. 5.0 kg/m²

Mixing and Applying :

D Delastic PU is supplied in ready-to-mix buckets:

Component A: 100 parts by weight

Component B: 20 parts by weight

Packaging : D Delastic PU comes in pre - weighed kits

Technical Specification :

Pot life	Approx. 45 minutes at +20° C
Open time	Approx. 50 minutes at +20° C
Application temperature range	10° C to 32° C
Ready for foot traffic	After approx. 10-12 hours
Ready for grouting	After approx. 12 hours
Loadable	After approx. 24 hours
Temperature resistance	Completely cured -20° C to +80° C
Density	1.40 kg/l mixed material

D+ DELASTIC-T



TWO-COMPONENT, HIGH - PERFORMANCE, EPU POLYURETHANE ADHESIVE FOR CERAMIC TILES AND STONE MATERIAL

D+ Delastic-T is two-component solvent and water free adhesives which are Flexible and waterproof. They are made up of a Epoxy polyurethane base (component A) and a special hardener (component B).

D+ Delastic - T is an improved (2) reaction resin adhesive (R) and slip resistant (T) classified as R2T.

Area of Application :

- Fixing wall and floor tiles indoors and outdoors. The tiles can be made of: Ceramic, stone material and mosaic.
- Fixing on screeds, renders, concrete, asphalt, wood, metal, PVC, reinforced polyester, asbestos-cement, gypsum, gypsum board, gypsum panels etc.
- Bonding ceramic tiles, stone material and all types of mosaic in showers and on sheets used for prefabricated bathrooms.
- Bonding ceramic tiles and mosaics on wooden work surfaces or in kitchens in order to achieve a waterproof substrate.
- Bonding ceramic tiles, stone material and mosaics on balconies, external terraces domes or flat roofs subject to foot traffic.
- Bonding natural stones and reconstructed stone (marble of every type, slate etc.) also subject to movement and size variation due to the absorption of water (class C of size stability according to D FIX standards).
- Bonding ceramic tiles and stone material on surfaces subject to vibration and deflection.

Features & Benefits :

- Easy workability.
- Excellent durability and resistant to ageing.
- Perfect adhesion on all surfaces used in building.
- Hardens by chemical reaction without shrinkage (until it becomes highly resistant).
- High deformability.
- In the case of Delastic - T, highly thixotropic: it can be applied vertically without slump and without letting even heavy or large tiles slip.

Coverage :

Mosaic & small size tiles (trowel no. 4)	: 2.5kg/m ²
Normal size tiles (trowel no. 5)	: 3.5kg/m ²
Large size tiles, marble, stones (back buttering)	: 5 kg/m

Packaging : 5kg & 10kg

Technical Specification :

Colours	White & Grey
Mixing Ratio	5kg [Part A (thick paste) 4.7kg : Part B (fluid liquid) 0.3kg] 1 0 kg [Part A (thick paste) 9.4kg: Part B (fluid liquid) 0.6kg]
Density (gm/cm ³)	Part A (1.56) & Part B (0.93)
Dry Solids content (%)	Part A (9 7) & Part B (100)
Pot Life	30 - 40 minutes
Open Time	50 minutes
Adjustability Time	90 minutes
Application Temperature Range	from + 10°C to +30°C
-Initial	6 hours
-Final	8 hours
Set to Light Foot Traffic	12 hours
Grouting	12 hours
Ready for Use	7 days
Density of Mix. (Kg/m ³)	1520



D+ MULTIPURPOSE LW 222



D+ MULTIPURPOSE LW 222 is an integral waterproofing admixture for concrete and mortar which chemically converts the water soluble compounds present into concrete into stable water insoluble compound.

Area of Application : Wall & floors Interior & Exteriors • dry & wet area • work tops • swimming pools • limited movement / vibration • roof slab • basements • bathrooms • wall plaster • concreting / internal plastering. Compliance AS Per - IS2645 - 2003

Dosage : 200 ML per 50 Kg Bag of cement

Packaging : 200ml, 1Ltr, 5Ltr, 10Ltr, 50Ltr, 100Ltr, 200Ltr

Storage & Shelf life : 24 Months in original packing.



D+ PREMIUM SBR 111



D+ PREMIUM SBR 111 Latex is based on styrene butadiene latex. it is a ready to use bonding agent in liquid consistency. **D+ PREMIUM SBR 111** latex is used for repair of floors columns chhajjas slabs beams and water proofing of terraces ,toilets bathrooms etc, as it bonds strongly to old and new concrete and plasters it Prevents Cracking pick up dust improves abrasion resistance and reduces shrinkage .

Area of Application :

Bonding agent between old concrete and new concrete, concrete repairs, floor toppings, bonding of screed and renders, waterproofing of tanks and pools.

Method of Application:

Surface preparation - All substrates be cleaned & free of dust, plaster, oil, point, grease, corrosion deposits & any other laiternce.

- Cleaning should be done by wire brush or other mechanical means

Solid Content : 45%

Packing details: 500 ml, 1ltr, 5ltr, 20ltr container

Storage & Shelf life : 24 Months in original packing.

AREA	METHOD OF APLICATION
Crack Repairing	D+ PREMIUM SBR 111 10ltr : White Cement 50kg
Renders, Patching & Crack Repairing Mortar	D+ PREMIUM SBR 111 10ltr : Cement 50kg : Sand 125kg : water to get desired consistency
Water Proofing Coating	D+ PREMIUM SBR 111 4ltr : Water 1ltr : Cement 7kg (white or grey)



D+ TILE CLEANER



Multipurpose cleaner for cp fitting & sanitary wares removes hard scaling which develops due to hardness of water Removes stubborn water stain marks & lime scale with ease based on surfactant to protect your chrome plated taps.

Advantages :

- Rapid Action
- Non - Corrosive
- Used for cleaning brickwork, small tools, tiles and etching of concrete floors.

Area of Application : Bath fitting Bath accessories kitchen sinks wash basins chrome plated Articles

Packaging : 500ml/1ltr/5ltr



CRACK & FIX



CRACK & FIX is a room temperature curing epoxy system suitable for concrete primer, epoxy Injection grouts, epoxy mortars, repairing compound and as binder between old and new concrete. Low mix viscosity of system permits high filler loading and exhibit outstanding mechanical and chemical resistance properties. It is a multipurpose system for various civil Applications.

Advantages :

Primer, Grout, Mortar/Screed, Self leveling floors sealing of cracks in concrete structure Coating of civil structure, anti corrosive coating for steel bars.

Area of Application :

Excellent adhesion to metal and concrete, Very low shrinkage contributing to good dimensional stability, High mechanical strength, both tensile and compressive, good vibration damping properties, Resistance to oil, fuels and many chemicals.

Material Properties: DF-R105 (Crack & Fix) resin

PROPERTY	UNIT	TEST METHOD	VALUE
Description	---	---	Clear Liquid
Color	GS	Gerdener	Max 1
Viscosity@25 C	mPas	Brookfield	500 - 800
Epoxy Value	Eq / kg		5.5 - 5.5
EEW	Gm / eq		181 - 192

DF-h205 (Crack & Fix) hARDENER

PROPERTY	UNIT	TEST METHOD	VALUE
Description	---	---	Brownish Yellow Liquid
Color	GS	Gerdener	Max 9
Viscosity@25 C	mPas	Brookfield	12000 - 22000
Amine Value	mgKOH / gm		370 - 410

Process properties

PROCESS	UNIT	VALUE
Mixing Ratio	w / w	100 : 50
Pot Life	minutes	95 - 110
Mix Viscosity@25 C	mPas	100 - 120
Specific gravity (mix)	-	180 - 190
Tensile Strength (A1 - A1)	Kg / cm ²	75 - 100

CRACK & FIX

PROCESSING :

STEP 1: SURFACE PREPARATION The adherents must be thoroughly degreased with a good degreasing solvent (e.g. toluene, acetone tri-chloroethylene) and abraded with coarse emery paper or chemically etched. Inadequately pre-treated substrates may not bond satisfactorily.

STEP 2: APPLICATION Mix the resin and hardener until it forms a uniform mass. Apply thin coat of the mixture on both the surfaces, the mixed mass can be applied by brush or spatula on the surface to be adhered. Join the surfaces and apply pressure using tapes, clamps or bands. Remove the pressure after 6 -8 hours. Full strength is achieved within 24 hours. The mix must be used within its pot-life. For **Best Results:** Roughen, dry and degreases surfaces to be bonded.

STEP 3: CURING Curing normally takes place at room temperature within about 24 hours depending on the ambient temperature but may be accelerated by the application of heat.

Storage and Handling :

The resin and hardener, when stored in their original containers and not exposed to undue heat or humidity as in outdoor open shades, will have a minimum shelf life of 2 years. As far as possible, direct contact of resin and hardener with the skin should be avoided as they might cause irritant on sensitive skins. It is advisable to wash off immediately in case of skin contact. Special barrier creams and cleansing creams are available commercially as additional safe guards. Please refer MSDS for detail safety instructions.

Packaging : 1.5 kg (Resin 1kg / Hardener 500 gms)
7.5 kg (Resin 5kg / Hardener 2.5kg)



Note:



**Adhesives | Composites | Construction | Electrical and Electronics
Paint and Coating | Epoxy Grout | Epoxy Flooring**



Puren AP

D Fix Enterprise

506, Parshwanath Business Park, Nr. Prahladnagar Garden,
Off SG Highway, Ahmedabad-15.

Contact No : 079 40022816, +91 7572963387

Email : customercare@dfix.co.in | Web : www.dfix.co.in