



- Surface Treatment • Concrete Repairs • Sealants • Concrete Admixtures • Waterproofing Systems
- Engineering Grout • Protective Coatings • Ready-mix Mortar • Tile Adhesive • Industrial Flooring

MACROTECH CONSTRUCTION CHEMICALS

(An ISO 9001:2015 Certified Company)

STRONG SERIES

ULTRA BOND 333 FLOOR AND WALL TILE ADHESIVE

It is a smooth and creamy polymer based adhesive for installing small to medium format ceramic wall and floor tiles.



Applications : Designed for internal floor & Wall applications.

Advantages:

- For Fixing ceramic tiles on interior floor & wall.
- Ideal for new tiling.
- Smooth & creamy.
- Single component – Just add water

Suitable Substrates:

- Cement Mortar Beds.
- Existing tiles/stones on floor & wall.
- Cement Plaster.
- Bricks masonry.
- Cement Terrazzo.

Coverage : Approx 55-60 Sq. ft. per 20 Kg bag with a ¼" x ¼" (6mm x 6mm) square notch trowel a bed of 3mm.

Bed thickness : Can be used upto 12mm

Packaging : 20 Kg Bags

Colour : Grey & White (TYPE-1)



SUPER STRONG SERIES

ULTRA BOND 555 FLOOR AND WALL TILE ADHESIVE

A High Performance Polymer Based Adhesive To Be Mixed With Water For Installing Medium & Large Format Ceramic Tiles, Vitrified Tiles.



Applications : Designed for internal floor & Wall applications.

Advantages:

- For Fixing ceramic, vitrified tiles & natural stone on interior floor & wall.
- Ideal for tile-on-tile & new flooring.
- High bond strength • Smooth & creamy.
- Single component – Just add water

Suitable Substrates:

- Concrete • Cement Mortar Beds.
- Existing tiles/stones on floor & wall.
- Ceramic tiles and stones
- Cement Plaster. • Concrete Masonry
- Bricks masonry. • Cement Terrazzo.



Coverage : Approx 55-60 Sq. ft. per 20 Kg bag with a ¼" x ¼" (6mm x 6mm) square notch trowel a bed of 3mm.

Bed thickness : Can be used upto 12mm

Packaging : 20 Kg Bags

Colour : Grey & White (TYPE-2)

SUPER STRONG PLUS SERIES

STONE AND GRANITE ADHESIVE 777

A Multipurpose, high polymer modified powder offering vast utility including applications for floor & wall in interior & exterior areas. It is a cementations powder to be mixed only with water to install various types of medium & large tiles, granite marble and glass tiles on a variety of substrates.



Applications : Designed specially for interiors, exterior floor & wall installation of all types of ceramic tiles, vitreous tiles, semi-vitreous tiles, glass mosaic tiles, precast terrazzo and natural stones, granite over concrete and a variety of substrates. Good underwater shear bond allows this product to be used for wet areas like swimming pools, sauna, water bodies and washrooms. Can be used for tile on tile applications and as slurry bond adhesive in wet on applications.

Advantages:

- High Strength, polymer modified
- Fast setting (Rapid drying)
- Good working time
- Easy to use & part of MBS (Moisture barrier system)
- Smooth & creamy.
- Single component – Just add water

Suitable Substrates:

- Concrete.
- Cement mortar beds
- Ceramic tiles and stones.
- Cement Backer board
- Concrete masonry
- Cement Plaster
- Bricks masonry
- Cement Terrazzo
- Gypsum Wallboard (interior only)
- Natural stones.

Coverage : Approx 55-60 Sq. ft. per 20 Kg bag with a ¼" x ¼" (6mm x 6mm) square notch trowel a bed of 3mm.

Bed thickness : Can be used upto 12mm

Packaging : 20 Kg Bags

Colour : Grey & White (TYPE-4)



MACRO FIX AAC BLOCK JOINTING MORTAR

It is a factory prepared blend of carefully selected raw materials, Ordinary Portland cement and graded aggregates and polymers. Designed for use with water to produce high strength thixotropic mortar, for laying aerated light weight concrete, fly ash bricks, cement hollow blocks, cellular concrete blocks or smoothing over the block work surface in layer of upto 12mm thickness, that meet and exceed the requirement of National and international standards.



Applications : For interior and exterior use for preparing thin bed block mortar for ALC and cellular concrete blocks.

Advantages:

- Long working time
- No curing required after block work is done
- Improved adhesion between two blocks
- Fast & economical
- Smooth & creamy.
- Single component – Just add water

Suitable Substrates:

- Concrete blocks.
- Cement mortar blocks/bricks
- Concrete hollow blocks
- Aerated light weight blocks
- Cellular concrete blocks
- Fly ash bricks

Coverage : Approximately 240 sq.ft. per 40 kg bag when used at 2 mm bed thickness. Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A general guide line for coverage of mortar is given when used with 25% water added to powder.

Note : Coverage is based on the block size of 600mm X 200mm X 100mm

Packaging : 40 Kg Bags

Colour : Grey



MACROTECH TILE GROUT

A carefully prepared blend of Portland cement, graded aggregates, polymer fortifiers and colour-fast pigments. It is designed for joint width 1mm to 3mm, for porous & absorbent type tiles, non-vitreous clay tiles, and glazed wall tiles. Suitable for internal and external applications.



Applications : Residential, commercial, external facades.

Advantages:

- For tile joints 1mm to 3mm
- Uniform colour
- Hard and durable
- Economical

Coverage : Varies with tile size and grout width.

Packaging : 1 Kg

Colour : Available in a range of many colours

Mixing Ratio: Use approx 400ml of water or SPP-53 grout admix for 1 kg of Sunplast tile grout SPP-51.

MACROTECH Grout Admix

Sunplast Tile admix SPP-51 is specially designed admix to be used with Sanded & Un-sanded Grout.

Applications : It improves the performance of Portland cement grouts for all types of ceramic tile, brick, marble, natural stone and agglomerate stone installations.

Advantages:

- Colour-fastness
- Flexibility
- Compressive strength
- Shock and chemical resistance
- Reduce water absorption
- Easy to clean

Coverage : Varies by application.

Packaging : 200 ml



COLOUR CHART

01 Mocha

02 Black

03 Smoke Grey

04 Steel Grey

05 Dark Grey

06 Grey

07 Burgundy

08 Terra Red

09 Canyon Red

10 Dark Brown

11 Copper Brown

12 Dark Blue

13 Blue

14 Alpine Blue

15 Silver Shadow

16 Aqua Blue

17 Aqua Green

18 Pink

19 Dark Green

20 Light Green

21 Mushroom

22 Parachute

23 Buff

24 Yellow

25 Sand Stone

26 Sauterne

27 Almond

28 Marble Beige

29 Beige

30 Cream

31 Ivory

32 White

CONCRETE ADMIXTURE

MACROTECH MPLASTICIZER750

With Corrosion Inhibitor

It is a concrete plasticizer and accelerator for upto M25 grade of concrete. Lowers water requirement for given work ability, reduces W/C ratio by 10 to 15% increases work ability, higher cohesion, easier placing, reduces risk of segregation and bleeding, better compaction & finishing, increases strength and durability, chloride free.

Good Optimum Dosage-150 ml to 300 ml per bag of cement. Confirms to BS 5075 1982 Part-1, IS 9103:1999, ASTM C-494 Type "A"

MACROTECH FIBRE1150

Glass fibre reinforcement for concrete and mortar

It is high tensile strength (1700 Mpa) i.e. 3-4 times higher than that of steel. High modulus i.e. 10 times that of polypropylene fibres. Chemically inert, easily and instantly disperses into mix, improves tensile and compressive strength. Arrests drying shrinkage cracks. Reduces density and ensures more yield of mix. Reduces number of construction joints in floor. Minimizes steel reinforcement.

Dosage: 125 gram per bag cement

MACROTECH M1000

Super plasticizer for concrete + corrosion Inhibitor

It is a concentrated, ready to use aqueous solution of organic polymers with high plasticising effect. Chloride free with good corrosion Inhibitor property.

Use in precast concrete and safe in

Optimum Dosage-200 ml to 500 ml per bag of cement. Confirms to BS 5075 Part-3, IS 9103:1999, ASTM C-494 Type "A & F"

MACROTECH SUPER100

Integral Liquid Waterproofing For Cement, Plaster And Concrete

Reduces Permeability.
Easily dispensable/compatible.
Reduces capillary., Enhance durability
Avoid shrinkage crack development.
Facilitates better workability.

Standards:

Meets the requirements of
IS: 2645-2003, IS: 9103-2000

Recommended Dosage:

100 ml per 50 kg bag of cement

MACROTECH MPC1150

Water Reducer PC based superplasticizer with workability Retarder

The new generation of this kind of admixtures is represented by Polycarboxylate ether based Super plasticizers (PCES). With a relatively low dosage (0.30-0.50% by cement weight) they allow a water reduction up to 40%, due to their chemical structure which enables good particle dispersion.

Poly-Carboxylate is Super plasticizers for high performance concrete, high strength concrete, and high volume flyash/slag concrete and Optimum Dosage (wt% of cement) 300ml to 500ml per bag

MACROPLAST MPC1500

Mid Range Super Plasticiser

The new generation of this kind of admixtures is the new generation super Plasticizing admixture based on modified Polycarboxylate. The product is design for concrete mixes with ultra high water reduction (Min 20%), excellent flow characteristics, etc. and

Optimum Dosage- (150 ml to 900 ml per 50 kg bag of cement.

MACROPLAST PC1350

High Range Super Plasticiser

The new generation of this kind of admixtures is the new generation super Plasticizing admixture based on modified Polycarboxylate. The product is design for concrete mixes with ultra high water reduction (Min 20%), excellent flow characteristics, etc. and

Optimum Dosage (150 ml to 900 ml per 50 kg bag of cement.

MACROPLAST MS555

Silica Fume

It is a ready-to-use powdered microsilica (silica fume) concrete admixture. This product reacts chemically with the calcium hydroxide in the cement paste which yields a calcium silicate hydrate gel that significantly enhances strength and durability. The super fine microsilica fills the voids between cement particles creating a very dense, less permeable concrete. It meets the requirements of ASTM C 1240.

Doses 5 to 20 % Use of Cement

WATER PROOFING SYSTEMS

MACROCRETE MP155

Acrylic based high performance polymer

It is a single component, pure acrylic based polymer. It accommodates limited crack movement in underlaid surfaces and also develops excellent bond to most building materials hence becoming a part of concrete repair. Primary application includes waterproofing of basements, toilets, terraces, roofs, swimming.

Coverage: 2.0-2.5 Sq.mtr/Kg area in two coats depending upon the porosity of the substrate.

MACROTECH MP255

Water based solvent free high ultra white waterproofing coating

For concrete surfaces & steel tanks. Thixotropic coating suitable for all surface elongation 400%. Excellent resistance to abrasion and chemical attack. Suitable for potable water. Available in different colours & excellent bonding.

Coverage: 6.5-7.0 Sq.mtr /5 kg pack /two coats

MACROTECH CRYSTAL POWDER

Crystalline Waterproofing

It is a unique chemical treatment for the waterproofing and protection of concrete. Among its many uses, BCP is suitable for waterproofing reservoirs, sewage and water treatment tanks, tunnels, manholes, underground vaults, foundation walls and parking decks. It can be used on either poured in place on concrete or concrete block and can be applied to either the.

Coverage: For normal surface applications, the coverage rate per coat is 0.8kg/m².

MACROTECH MP150

Bituminous PU Highly elastomeric waterproofing coating

It is a scientific blend of synthetic resins, selected minerals and fillers. It is a protective and waterproof coating. It is high performance coating that dries to elastic, flexible, impermeable waterproof membrane.

Coverage: Primer Coat: 8-10 Sq Mtr./kg/coat

Metallic surface: 4-6 Sq Mtr./kg/coat

Concrete surface: 3-5 Sq Mtr./kg/coat

(Depending upon the porosity of the substrate.)

CONCRETE REPAIRS

MACROTECH SBR800

Styrene Butadiene Rubber latex based polymer

It is a styrene butadiene copolymer emulsion. The resulting product is a waterproofing and bonding admixture. SBR Liquid can be mixed with cements, sand-cement mortars and concretes. The mixes produced give high bond strength to existing concrete, masonry and reinforcing steel. Weather resistance is improved due to reduced permeability and thinner sections may be applied due to improved flexural and tensile strengths. Additional improved properties include abrasion resistance, freeze thaw resistance and chemical resistance. SBR Liquid is suitable for both internal and external use. Packing: 1 Kg, 5 kg, 10 kg & 20 kg

MACROTECH CRACK1200

With Glass Fibre

It is easy to use, high strength, crack repair mortar, which ensures perfect filling of cracks and will not allow water penetration. Attains high strength of 300 Kg/cm² at 28 days. The expanding characteristic ensures perfect bond on both sides of cracks & provides excellent water tightness. Packing: 25 kg

MACROTECH MICROCONCRETE400

With glass fibre

It is a pre-packed system consisting of ready to use polymer modified mortar and polymer modified powder. The mortar contains specially processed cement and polymer with graded fillers and additives to impart adhesion, strength and weather resistance. Can be pumped or poured into restricted location. Attains strength & imparts expansion characteristics (0.8%) in the plastic stage while minimising water demand. Attains a compressive strength of 500 Kg/cm² in 28 days. Ideal for RCC structural repairs. Chloride free. Packing: 25 kg bags

SURFACE TREATMENT

MACROTECH MOULD RELEASE450

Mould release agent oil based

MACROTECH MOULD RELEASE 450 is specially formulated blend of mineral oils and chemicals having release properties which are superior to those of a conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould. Thereby enabling easy striping from concrete and acting as a protection to steel, aluminium and wooden formwork.

Consumption:

between 20 to 60 sq. m per litre

MACROTECH MOULD RELEASE500

Mould release agent water based

MACROTECH MOULD RELEASE500 is used straight from the drum and no stirring or mixing is required. Shuttering Oil is applied by spraying guns, rollers or by brushes prior to pouring aerated concrete and is recommended for use as a concrete mould release agent with the protection of moulds from rust.

Consumption:

350 to 450 sq.ft per litre

MACROTECH MP900

Wax based curing compound

For spraying on freshly cast concrete to form a temporary membrane which will retain sufficient moisture for effective curing to take place. Used concrete of pavements, runways and bridge decks, also for vertical or sloping surfaces as on towers, chimneys, canal linings, columns and beams, where water curing is difficult.

Consumption:

3.5 to 5.0 sq. m/litre.

MACROTECH CURE1150

Aluminium based curing compound

MACROTECH CURE1150 is concrete curing compound is resin based continuous film forming curing compound and is supplied as aluminised polymeric resin solution drying to a silver film on application.

Specific Gravity: 0.850-0.950

When first applied to a fresh cementitious surface the product forms a continuous, non-penetrating coating. This coating dries to form a continuous film which provides a barrier to moisture loss ensuring more efficient cement hydration, improved durability and reduced shrinkage.

The aluminised grades contain aluminium flakes to meet specifications for reduction of solar temperature gain.

Consumption:

The recommended coverage rate is 5.0m²/litre

MACROTECH TOP300

Floor Hardner

Ready to use single pack, hard wearing, abrasion resistant, non-metallic, monolithic, iron free, smooth finish, anti-skid industrial flooring compound for medium to heavy duty traffic floors. Resists penetration of oil and water.

Consumption: 4 Kg/m²,

Mh^o's scale hardness 8-9

MACROTECH WALL PUTTY MWP 06

Tegel Wall Putty is a high-quality, polymer-modified putty that provides a smooth, durable, and water-resistant surface for painting. It enhances adhesion and protects walls from moisture, making it suitable for interior and exterior applications on plastered walls, concrete, and ceilings.

Features:

- Smooth & Even Finish
- Strong Bonding Strength
- Crack-Resistant
- Increases Coverage for Paint
- Environmentally Friendly

Technical Specifications:

Properties	Specifications
Base Material	White cement with polymer additives
Mixing Ratio	Approx. 10 - 12 Liters of water per 40 kg bag
Pot Life	2.5 - 3 hours after mixing
Open Time	Up to 30 minutes
Adjustability Time	25 - 30 minutes
Bed Thickness	3-15 mm
Compressive Strength	≥ 7 MPa (after 28 days)
Bonding Strength	≥ 1 Mpa (after 28 days)
Setting Time	3 - 4 hrs, full curing 24 hrs
Coverage	Approx. 10 - 15 sft/per kg up to 1.5 mm thickness in 2 coats

Shelf Life:

12 months when stored in dry and moisture free condition

Pack Size:

40 kgs



MACRO READY MIX PLASTER RMP 07

Tegel Ready Mix Plaster is a high-quality, pre-mixed, cement-based plaster designed for superior adhesion, smooth finish, and durability. It eliminates on-site mixing, making it ideal for interior and exterior applications on brickwork, block work, and concrete surfaces.

Features:

- Smooth & Even Finish
- Strong Bonding Strength
- Crack & Water Resistant
- Increases Coverage for Paint
- Environmentally Friendly
- Ideal for Interior & Exterior Situations

Technical Specifications:

Properties	Specifications
Base Material	Grey cement with polymer additives
Mixing Ratio	Approx. 7 - 8 Liters of water per 40 kg bag
Pot Life	2.5 - 3 hours after mixing
Open Time	Up to 30 minutes
Adjustability Time	25 - 30 minutes
Bed Thickness	3-15 mm
Compressive Strength	≥ 7 MPa (after 28 days)
Bonding Strength	≥ 1 Mpa (after 28 days)
Setting Time	3 - 4 hrs, full curing 24 hrs
Coverage	Approx. 10 - 15 sft/per kg up to 1.5 mm thickness in 2 coats

Shelf Life:

12 months when stored in dry and moisture free condition

Pack Size:

40 kgs

(Refer to the Technical Data Sheet (TDS) for application guidelines)



Tools & Accessories

Trowels



Thick Bed



Fine Bed



Thin Bed

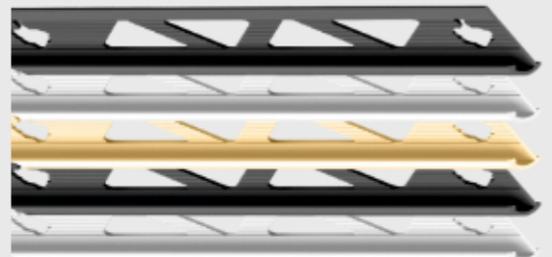


Shovel Putty
Blade

Spacers



Trims



Safety Helmets



Mixing, Application, & Coverage - Adhesive



Clean & remove all dust, loose particles, water and oil residues from substrate



Add Macrotech Adhesive slowly in to the container and mix with water thoroughly, until a consistent paste is formed and wait for 5 minutes



After 5 minutes stir the mixed paste well



Spread the adhesive on the substrate using thick, thin, fine bed trowel



Apply the adhesive on backside of tile



Fix the tiles using spacer



Fix the tile firmly on to the substrate with a suitable tool



Remove and clean the tile surface from excess adhesives comes out of the tile joints and wait 24 hours for grouting

Coverage of Macrotech Adhesives per Bag Coverages mention using Proper Trowel / Provided all surfaces & Substrates are smooth / in Proper level without any Undulations

Glaze, Ceramic, Vitrified tile & Stone Sizes	TB 02 20 KG	TB03 20 KG	WTB 04 20 KG
25x25 or 50x50 with 3mm. Thickness	100 sft.(2mm.)	100 sft.(2mm.)	100 sft.(2mm.)
100x100x6mm Thickness	60 sft.(3mm.)	60 sft.(3mm.)	60 sft.(3mm.)
100x150x6mm Thickness	60 sft.(3mm.)	60 sft.(3mm.)	60 sft.(3mm.)
200x100x6mm Thickness	60 sft.(3mm.)	60 sft.(3mm.)	60 sft.(3mm.)
300x300x7mm Thickness	48 sft.(4.5mm.)	48 sft.(4.5mm.)	48 sft.(4.5mm.)
300x450x9mm Thickness	36 sft.(6mm.)	36 sft.(6mm.)	36 sft.(6mm.)
300x600x9mm Thickness	36 sft.(6mm.)	36 sft.(6mm.)	36 sft.(6mm.)
600x600x10mm Thickness	36 sft.(6mm.)	36 sft.(6mm.)	36 sft.(6mm.)
1000x1000x12 mm Thickness	28 sft.(8mm.)	28 sft.(8mm.)	28 sft.(8mm.)
1200x2400x16mm Thickness	28 sft.(8mm.)	28 sft.(8mm.)	28 sft.(8mm.)
Granite & Marble slabs from 12 to 30mm. Thick	28 sft.(8mm.)	28 sft.(8mm.)	28 sft.(8mm.)

Mixing, Application & Coverage - Grout

MACROTECH Polymer Grout - Application:



Add TCG 10 Polymer Grout with Water 2:1 (Powder:Water)



Mix thoroughly to attain an Uniform Paste



Wait 50 - 60 Minutes



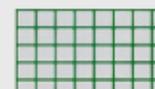
Wait 24 Hours

Allow Foot Traffic

MACROTECH Tile Epoxy Grout - Application:



Wait 35 - 40 minutes



Allow Foot Traffic

Coverage(TCG 10):

Consumption depends on joint width, size of tile and good workmanship

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times 1.30}{(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})} = \text{kg/m}^2$$

All the dimensions are in mm. Specific Gravity = 1.30

Coverage(TEG 11):

Consumption depends on joint width, size of tile and good workmanship

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times 1.70}{(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})} = \text{kg/m}^2$$

All the dimensions are in mm. Specific Gravity = 1.70

CERTIFICATE OF REGISTRATION



This is to certify that the management system of
MACROTECH CONSTRUCTION CHEMICALS
has been formally assessed by
INTERNATIONAL CERTIFICATION & INSPECTION UK LTD.
and found to comply with the requirements of

ISO 9001:2015
(Quality Management Systems)

Scope of Registration:

Manufacturing Tile Adhesive & Construction Chemical.

Registered Site (s):

Ground Floor , Plot No 1, Ricco Industrial Area Sotanala Jainpurwas,
NH-48 Road, Alvar Rajasthan -301701, India.

:: Certificate No :: ICI/1027852/25

Date of initial registration: **20 February 2025**

First Surveillance Audit on or before: **20 January 2026**

Second Surveillance Audit on or before: **20 January 2027**

Re-certification Due: **19 February 2028**

**This Certificate is property of ICI UK Ltd. and remains valid
subject to satisfactory surveillance audits.**

Peter Collins

Ex. Director

International Certifications & Inspection UK Limited.
128 City Road, London, United Kingdom, EC1V 2NX



ACCREDITATION
BOARD FOR
CERTIFICATION
BODIES



To check validity of the certificate please visit at www.ici-uk.co

This certification of registration is issued by International Certification & Inspection UK Limited accredited with Accreditation Board For Certification bodies (www.ab-cb.org). This certificate remains the property of International Certification & Inspection UK Limited and must be returned upon request.



MACROTECH

CONSTRUCTION CHEMICALS

==== THE SMART CHOICE ====

A Complete Construction Chemicals Solutions

- **Surface Treatment • Concrete Repairs • Sealants • Concrete Admixtures**
- **Waterproofing Systems • Engineering Grout • Protective Coatings**
- **Ready-mix Mortar • Tile Adhesive • Industrial Flooring**

MACROTECH
CONSTRUCTION CHEMICALS

(An ISO 9001:2015 & IS O-45001:2018 Certified Company)

📍 Riico Industrial Area, Sotanala, Behror 301701
✉ macrotechproducts@gmail.com
🌐 www.macrotechproducts.com
Customer Care : + 91 9680906106