

CONSTRUCTION
C H E M I C A L



Dr. ChemTM

INNOVATION THROUGH CHEMISTRY



PRODUCT
MANUAL

JAPANESE
TECHNOLOGY



ABOUT US

We assure you the very highest standards in terms of performance, quality, safety and reliability.

At Dr. Chem, We don't just create epoxy grout solutions—we build trust and long-lasting relationships with our clients. Founded on the principles of innovation, quality, and integrity, Brilliant Chem Industries has grown to become a leading name in the epoxy grout industry. Our journey began with a simple vision: to revolutionize the way people think about grout by offering products that are not only durable and effective but also environmentally responsible.



WHAT WE ASPIRE TO BE

VISION

To become a globally recognised manufacturer of Epoxy Resins and Speciality Chemicals by delivering enhanced value for all our stake-holders through best-in-class technology, innovation and differentiated products and services.

WHO WE ARE, WHAT WE DO

MISSION

To invest in sustainable, innovative technologies and operational excellence to deliver growth in strategically targeted markets together with exceptional customer service.



CUSTOMER FOCUS

Our actions are driven by customer insight that help them to create value.



INNOVATION

We develop new products by relentlessly pursuing "Why & What If".
We strive to closely understand customer needs & market insights to create competitive advantage.



COLLABORATION

Working together, both internally and externally, to create better solutions.



TRANSPARENCY & INTEGRITY

We demonstrate high degree of transparency and integrity by taking full responsibility of our actions.
We are trustworthy in our transparent & ethical manner.



EXCELLENCE

We strive to achieve excellence in everything we do through shared knowledge, personal development, continuous improvement, safety and best-in-class execution.

DR-T101 CONSTRUCTION TILE ADHESIVE



DR-T101 (Construction Tile Adhesive)

Dr. Chem New Construction Tile Adhesive (NCA) is a polymer-modified thin-set, cement-based tile adhesive. This cement-based tile adhesive is specially formulated to fix and install diverse types of tiles such as ceramic, terracotta, brick, and quarry tiles. Ideal for both vertical and horizontal surfaces on the cementitious substrate for internal application. Dr. Chem New Construction Tile Adhesive T101 is one of the most economically priced adhesives in the market with superior quality results.

Packaging Units : 20 Kg.

Packaging Type : Powder

Colours : Grey / White

Features and Advantages:

- Ready-to-use formula - Just apply water to the site and it is ready to use.
- Suitable for Internal Areas - Dr. Chem New Construction Adhesive can be used on indoor flooring and walls with high porosity tiles like ceramic, clay tiles, terracotta, and quarry tiles of regular size.
- Water Resistant - It can be used in wet areas.
- Strong binding - This cement-based adhesive offers a strong bond to different cement-based substrates.
- Self-drying - Dr. Chem New Construction Tile Adhesive has self-curing technology that enables an easy application.
- Low VOC - This cement-based adhesive is low VOC which means it does not harm the environment or any living being.

Application Area:

- Material to be Fixed: All types of ceramic tile, terracotta, brick, vitrified tiles, natural stones, and large format tiles. It is important to consult Dr. Chem technician in case of application on the wall.
- On Surface: Dr. Chem New Construction Adhesive can be applied on Cement-based screeds, cement-based plasters, concrete surfaces, bricks, and other cement-based surfaces.
- Application: Flooring and walls, for internal applications, dry & wet areas, domestic applications, and commercial applications. Consult Dr. Chem technical team for application in external area.

Things to Consider:

- You cannot apply Dr. Chem New Construction Adhesive to the fibre cement boards, plywood, decorative laminates, metal, plastic, etc.
- Adhesive cannot be used as a waterproofing solution
- You cannot fix metal tiles, engineered stone, or artificial stone tiles with Dr. Chem New Construction Adhesive.

DR-T201 NON SKID TILE ADHESIVE



DR-T201 (Construction Tile Adhesive)

Dr. Chem Non-Skid Adhesive is a polymer-modified tile adhesive used to fix vitrified tiles, semi-vitrified tile, ceramic and natural stones in indoor areas. It is ideal for application on tile and stone of standard small sizes. This is one of the best tile adhesives that is suitable for tile-on-tile application and for application on walls and floors of indoor spaces. Its easy application on the wall is due to sag-resistant properties. Dr. Chem Non-Skid Adhesive is formulated to have non-skidding properties and forms a strong bond with cement. The product is available in grey and white colour. It can be used on dry as well

Packaging Units : 20/30 Kg.

Packaging Type : Powder

Colours : Grey / White

Features and Advantages:

- Dr. Chem Non-Skid Adhesive is easy to use. You can add water in the required quantity to the product on site to make the mixture and work in small sections of the area.
- The product is formulated to work well on dry as well as wet surfaces. It can be applied on horizontal and vertical surfaces to fix tiles, ceramics, and stones.
- Dr. Chem Non-Skid Adhesive is suitable for the application of new tiles on old tiles on horizontal surfaces.
- It is a water-resistant adhesive that ensures that they are suitable for application on wet surfaces such as bathrooms, kitchens, and other areas.

Application Area:

- **Material to be Fixed:** Dr. Chem Non-Skid Adhesive can be used on all types of tiles, terracotta, pavers, brick vitrified tiles, glass mosaic tiles, large format tiles*, precast terrazzo, marble and natural stones for fixing purposes.
- **On Surface/Substrate:** You can also use this product on cement-based plaster and mortar, old tile, concrete surfaces, bricks, and AAC blocks for fixing new tile or ceramic.
- **Area of Application:** It is recommended to use Dr. Chem Non-Skid Adhesive during new construction and renovation of domestic and commercial spaces for fixing tile, ceramic, stones, and other similar materials.

Things to Consider:

- Dr. Chem Non-Skid Adhesive is not a substitute for waterproof coating. So, it is recommended to use a waterproof coating before the application of Dr. Chem Non-Skid Adhesive on wet surfaces.
- This product is not suitable for use on artificial stone, composite and metal tile.
- Mix the right proportion of water with the product to create a mixture. Do not add sand or cement to the site.
- Once you have prepared the mixture, apply it to the surface and fix the tile within 15-20 minutes of mixture application.
- Make sure that Dr. Chem Non-Skid Adhesive is not used for fixing surface irregularities greater than 15 mm.
- Dr. Chem Non-skid Adhesive is a reasonably priced product which makes it a fairly economical tile fixing product on the market.

DR-T301 STONE TILES ADHESIVE



DR-T301 (Construction Tile Adhesive)

Dr. Chem Vitro Fix Adhesive is a low POC tile adhesive suitable for fixing various types of ceramic, vitrified tiles, glass mosaic tiles and glass tiles of different sizes, semi-vitreous tiles, and natural stones. It is also suitable for tile-on-tile application on internal floors as well as walls. It is important to note that Dr. Chem Vitro-Fix Adhesive can only be used on floors in external areas. It is a non-slip adhesive that can be used on wet as well as dry surfaces for domestic and commercial applications. The product is available in grey and white colours.

Packaging Units : 20 Kg.

Packaging Type : Powder

Colours : Grey / White

Features and Advantages:

- Dr. Chem Non-Skid Adhesive is easy to use. You can add water in the required quantity to the product on site to make the mixture and work in small sections of the area.
- It forms a very strong bond with a variety of substrates and is used for fixing all kinds of tiles. It is highly polymer-modified which ensures better adhesion.
- The adhesive is suitable for application on vertical surfaces as it has a sag-resistant formula.
- Dr. Chem VitroFix Adhesive is also water resistant which makes it suitable for application in wet areas in commercial and domestic spaces.

Application Area:

- Material to be Fixed: Dr. Chem VitroFix Adhesive can be used on all kinds of ceramic tile, natural stones, glass tile, brick, composites**/ artificial/ nano/ engineered stone and low-thickness slabs for fixing purposes.
- On Substrate/Surface: It is a strong bonding agent that can be used on cement-based surfaces, gypsum, concrete surfaces, old tiles, drywall surfaces* (like bison/ gypsum / cement board), existing tiles & stones, plywood & wood derivative* etc.
- Area of Application: You can use Dr. Chem VitroFix Adhesive for tile-on-tile application on horizontal and vertical surfaces in internal areas. You can also use this adhesive for floor application on the external area.

Things to Consider:

- Dr. Chem VitroFix Adhesive is a cement-based tile adhesive for fixing natural stones, tiles, and ceramics. It is not an alternative for waterproofing the tile surface. It is recommended to use under-tile-waterproofing products for making the surface water-resistant. The use of Dr. Chem VitroFix Adhesive ensures that the tile is fixed properly on the surface.
- Do not go overboard with water while preparing the mixture. Use the recommended quantity to get the desired results.
- The mixture should be used within the pot life.
- The dry surface should be dampened with water before starting the application of the material.
- Dr. Chem VitroFix Adhesive is an economically priced product that is useful in fixing tiles and other similar materials.

DR-T401 VITROFIX ULTRA ADHESIVE



DR-T401 (Construction Tile Adhesive)

Dr. Chem Vitrofix Ultra Adhesive is a highly polymer-modified adhesive used for tile fixing. This product is one of the best adhesives for ceramic, semi-vitreous, vitrified tiles, and natural stones. It can be applied on internal surfaces, for vertical and horizontal applications. It is important to note that Dr. Chem Vitrofix Ultra Adhesive can only be used on floors in external areas.

This low-VOC, high-performance adhesive is ideal for tile-on-tile applications. It can be applied in wet as well as dry areas, indoors and outdoors

Packaging Units : 20 Kg.

Packaging Type : Powder

Colours : Grey / White

Features and Advantages:

- It is highly convenient to use Dr. Chem Vitrofix Ultra Adhesive. It can be easily prepared on site by adding the required amount of water. The mixture is applied in small sections to achieve precision while fixing the tiles.
- The product has a long open time, making it ideal for use on external surfaces. It can fix tile, natural stone, terracotta, pavers, brick, vitrified tiles, ceramic, and other types of tiles in outdoor areas.
- It is a highly polymer-modified adhesive that forms a strong bond with the substrate during application time.
- It is a low-VOC adhesive that promotes healthy living and can be used in any area of the house or commercial application.

Application Area:

- **Material to be Fixed:** Dr. Chem Vitrofix Ultra Adhesive can be used on all kinds of ceramic tile, terracotta, pavers, brick, vitrified tiles, large format tiles, precast terrazzo, natural stones, and low-thickness slabs.
- **On Surface/Substrate:** It acts as a bonding agent and is applied to cement-based screeds and beds, gypsum and cement-based plasters and renders, concrete surfaces and bricks, existing tiles and stones, waterproofing products, and other cement-based surfaces.
- **Area of Application:** The area of application of Dr. Chem Vitrofix Ultra Adhesive includes wet as well as dry surfaces in outdoor and indoor spaces. The product can be used in domestic and commercial projects on horizontal and vertical surfaces for fixing tiles.

Things to Consider:

- The surface on which the adhesive is to be applied must be level, undamaged, compact, rigid, resistant, and free from any debonding agent. It ensures proper adhesive contact.
- It is important to dampen any dry surface prior to mixture application.
- Any new concrete should be properly damped and left for at least 28 days before applying the adhesive. This minimises shrinkage on the application surface.
- The expansion joints should be filled with a suitable product before the application of adhesive.
- The tiles should be fixed within half an hour of adhesive application, depending on the surface porosity and atmospheric conditions.

DR-B601 ECO BLOCK JOINT MOTOR



DR-B601 Eco Block Joint Motor

AAC BLOCK ADHESIVE is a factory prepared blend of carefully selected raw materials, 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 layers of upto 12mm thickness, that meet and exceed the requirements of National and International Standards.

Packaging Units : 40 Kg.

Packaging Type : Powder

Colours : Grey

Features and Advantages:

- Improved bond strength
- No curing required after block work is done
- Flexible, shock & impact resistant
- Optimum compressive & splitting tensile strength
- Easy to use
- Long working time
- Fast & economical
- Stronger adhesion
- Consistent quality
- Superior / Advanced Technology
- Longer pot life
- Reduces wastage

Suitable Substrates

- AAC Blocks
- Cement Mortar Block / Bricks
- Concrete hollow blocks
- Light weight masonry blocks
- Cellular concrete blocks
- Fly Ash Bricks
- Calcium silicate bricks
- Clay Bricks

Application Area:

- For interior and exterior use for construction with thin bed mortar for AAC, ALC and cellular concrete blocks.



Specification:

- Part A: Resin Part A 1 Kg.
- Part B: Hardener Part B 0.500 Grm.

Packaging Units : 1 Kg. / 5 Kg. / 20 Kg.

Colours : 17 Shads

Mixing ratio by weight (R:H) : 2:1

Pot life at 25°C 100 gm mass (Min) : 450 - 500

Mix Viscosity (mPas) at 25°C : 800 - 1000

Shelf Life : 12 Months

Drying Time (Min):

Surface Dry Workability : 1 - 2 Hrs.

Touch Dry Foot Traffic : 24 Hrs.

Hard Dry Heavy Traffic : 48 Hrs.

Application:

- Laboratory, Rest Rooms, Schools, Workshoops
- Various Industries
- Swimming Pools, Artificial Water Bodies

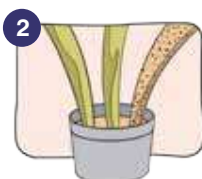
Benefits:

- Resistant to many acids, alkalies, corrosives, salt water, oils and fats
- Anti bacterial and anti fungal
- Water cleanable
- No Shrinkage and high adhesion

Method of application:



1
Clean the tiles to remove any grease and dust.



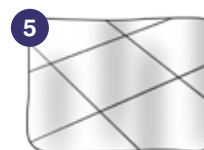
2
In a 100:50:450 ratio, thoroughly mix the resin, hardener, and filler. While mixing, add filler till a homogeneous paste is obtained.



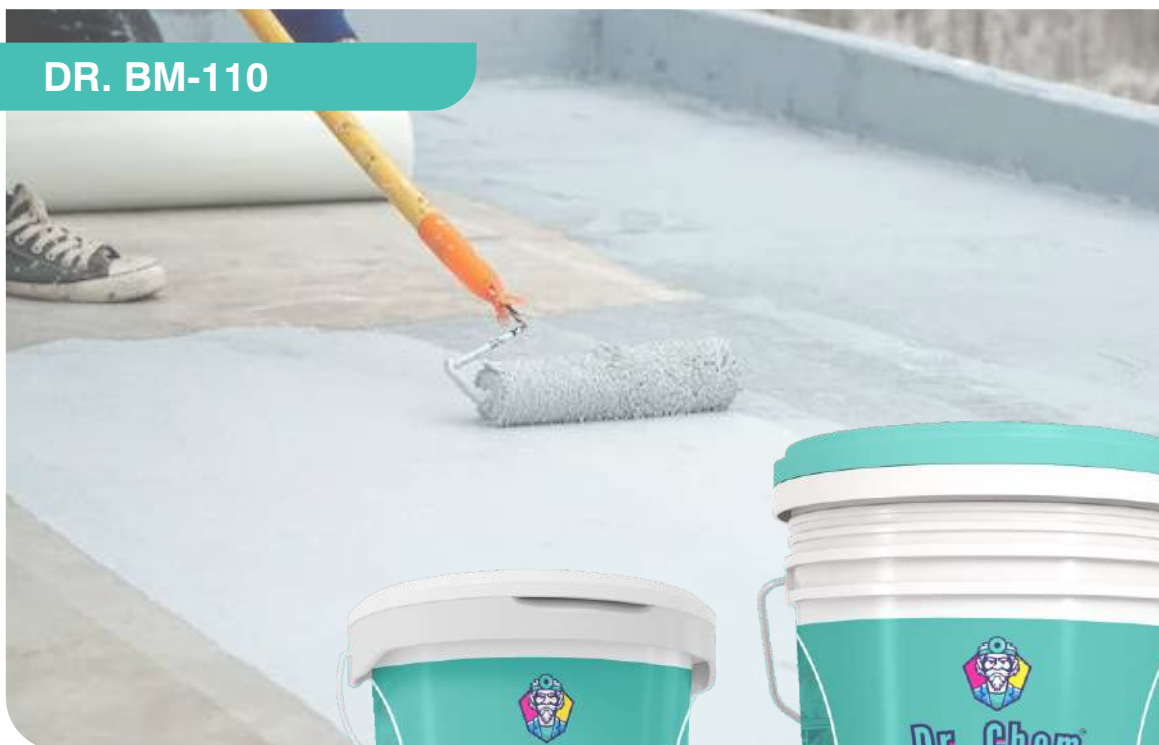
3
Using squeegee trowel fill the mixture in gaps between tiles.



4
Excess material should be removed from tile joints within 10 to 15 minutes of application.



5
Allow it to dry for 24 hours for foot traffic and 72 hours for heavy traffic.



Single Component Water-based Bituminous Waterproofing Liquid Applied Membrane:

Colours	: Black
Thickness	: 500 Micron
Coverage	: 1 kg/sq.m – 1.5 kg/sq.m
Packaging Units	: 5 Kg. / 10 Kg. / 20 Kg. / 200 Kg.

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- Ready-To-Use For Exposed Areas
- Terraces • Balconies
- Sunken portion • Roofs & Slabs • Garden

Benefits:

- Anti-fungal, Anti-blistering, Anti-root, Excellent curing.
- High elongation up to 3000% with excellent tensile strength.
- Resin and Rubber, Reinforced with special water Repelling Fillers, Minerals, Stabilizers and Gelling agent.



Single Component Water-based High Elastomeric Acrylic Waterproofing Liquid Applied Membrane

Colours	: Black / Grey / Terracotta
Thickness	: 500 Micron
Coverage	: 1.8 kg/sq.m – 2 kg/sq.m
Packaging Units	: 5 Kg. / 10 Kg. / 20 Kg. / 200 Kg.

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- Ready-To-Use For Exposed Areas
- Terraces • Balconies
- Roofs & Slabs

Benefits:

- Anti-fungal, Anti-blistering, Excellent curing 99% UV resistant.
- High elongation up to 1000% with excellent tensile strength.



Two Component Cementitious Waterproofing Liquid & Polymerized Powder

Colours	: Grey
Thickness	: 500 Micron to 1 mm
Coverage	: 1.5 kg/sq.m – 1.8 kg/sq.m
Packaging Units	: 15 Kg. (10 Kg. Powder & 5 Kg. Liquid)

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- Ready-To-Use For Exposed Areas
- Sunken portion, Under Ground Tank
- Swimming Pool

Benefits:

- Anti-fungal, Protective coating made up from premium grade cement.
- Elongation upto 100% with excellent tensile strength.
- properly selected & graded aggregates, additives & acrylic emulsion polymer as a binder.

DR. SBR-50



Latex For Waterproofing And Concrete Repairs

Colours	: White
Shelf Life	: Best before 2 years from MFD
Coverage	: 10 litres, 50 Kg OPC cement.
Packaging Units	: 1 Kg. / 5 Kg. / 10 Kg. / 20 Kg. / 50 Kg. / 200 Kg.

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- Modified styrene butadiene latex supplied as a ready to use bonding agent in liquid consistency.

Benefits:

- It is used for repair of Spalled concrete, Floors, Columns, Beams, Roofs & Slabs.
- Waterproofing of Toilets & bathrooms, Small terrace.
- It reduces Shrinkage, Prevents cracking, Dust pick up & Improves abrasion resistance.

DR. LATEX



Integral Liquid Waterproofing Compound For Concrete & Plaster

Colours	: Brown
Shelf Life	: 200ml Per 50kg Bag of Cement
Packaging Units	: 1 Kg. / 5 Kg. / 10 Kg. / 20 Kg. / 200 Kg.

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- Specially formulated integral liquid waterproofing compound composed of surface active plasticising agents.

Benefits:

- It is used as an additive for Cement concrete, Mortar & Plasters.
- Concrete cohesive and prevents segregation.

SPARKAL TILE CLEANER



Heavy Duty Tile & Stone Cleaner To Remove Cement & Grout Residues

Colours	: Slightly Rosy
Coverage	: 1 liter of T-Cleaner (For 5 - 20 M ²)
Packaging Units	: 1 Ltr.

Working Advice:

- Once opened, it must be used up, and in case of the unused material, they must be completely sealed in time.
- The construction temperature should be above 5°C, and keep working areas ventilated and avoid fire and rain.
- Steps and stacking debris are not allowed before the waterproofing layer is dry and completely formed to avoid damage to the waterproof layer.

Application:

- T-Cleaner is an inhibited heavy duty acid cleaner especially recommended to rapidly remove cement residues, salt-peter, grout, tempera and lime scale on ceramic tiles.

Benefits:

- It is a powerful, heavy duty, acid based cleaner for ceramic tiled floors and walls. The cleaner can be easily applied to both horizontal and vertical surface, where it remains in contact with the are

DR. SPACERS



Dr. Spacers

Colours	: White
Packaging Units	: 2 / 3 / 4 / 5 / 6 mm
Packaging Type	: Tool

Features and Advantages:

- Create an even grout line: Dr. Chem spacers are used in tile installation to achieve equal distance between tiles and to create even lines in grout. The joints between consecutive tiles are uniform, ensuring overall uniformity on the tiled surface.
- Enhanced Design Aesthetics: Tile application in any space is done to not only provide functionality but also to enhance its aesthetics. A properly tiled surface with equal space between each tile has a clean and professional look. Tile spacers help maintain that cohesive and even look.
- Easy repair access: Using spacers for tile application is advisable as it creates a sufficient gap between adjacent tiles, making it easy to replace any tile in the future if it gets damaged. In a nutshell, it gives easy repair access without damaging adjacent tiles.

Application:

- Material to be spaced: Dr. Chem tile spacers can be used on all types of tiles and stones, such as vitrified tiles, ceramic tiles, terracotta, brick, and large format tiles.
- Substrate/ Surface: It can be used on cement-based screeds, cement-based plasters, concrete surfaces, bricks, and other cement-based surfaces.
- Area of application: Spacers can be used for tile fixing on floors and walls in internal as well as external areas. It is suitable for use in domestic applications, commercial applications, and dry and wet areas.



Dr. Chem[™]
INNOVATION THROUGH CHEMISTRY



**INNOVATING CONSTRUCTION,
ONE SOLUTION AT A TIME...**

NOTES

[illegible]



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