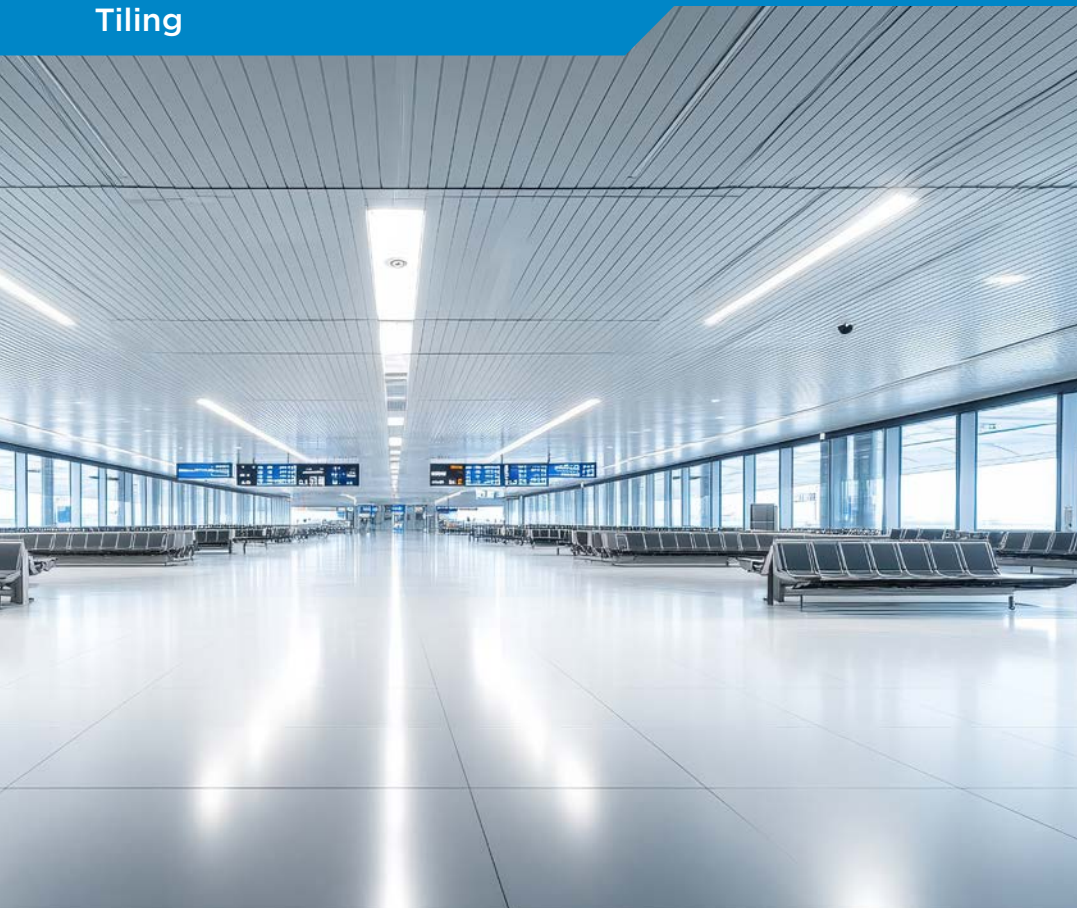


Tiling



Vetonit

Tile Adhesives and Grouts

Professional Products Range

- Method of Application
- Product Technical Data
- Accessories
- Tile Adhesives & Grouts Standard (classification system)





About Vetonit

Vetonit, Saveto's flagship brand, is a market leader in construction chemicals and finishing materials across the MENA region. It offers advanced solutions for flooring, waterproofing, roofing, tiling, walls and façades, and thermal insulation, among others.

Designed to meet the region's unique environmental and construction demands, Vetonit supports high-quality, sustainable building across commercial, industrial, residential, educational, high-rise, and infrastructure sectors.

Our Solutions:

- | | |
|---|---|
|  Concrete Repair |  Protective Coatings |
|  Walls and Facades |  Bonding Agents and Primers |
|  Flooring |  Thermal Insulation |
|  Surface Treatment and Finishes |  Accessories and Ancillaries |
|  Tiling |  Sealants and Joints |
|  Waterproofing |  Sports |
|  Plasters and Masonry |  High Precision Grouts |



Main Advantages of the Professional Line

Superior Waterproofing

Unlike many adhesives and grouts that fail in wet environments, Saveto products are engineered to be fully waterproof, ensuring durability in areas exposed to moisture, such as bathrooms, kitchens, and outdoor spaces.

Exceptional Deformation Resistance

Ideal for dynamic surfaces like newly constructed buildings or floors with integrated heating systems, Saveto products are formulated to adapt to movement and stresses without compromising tile integrity. This advanced performance is the result of cutting-edge product innovations.

Outstanding Chemical Resistance

Designed to endure rigorous cleaning protocols in public and commercial spaces, Saveto adhesives and grouts resist damage from harsh chemicals and mechanical cleaning, ensuring long-lasting performance.

High Load-Bearing Capacity

Built to withstand heavy loads and intensive use, Saveto products are perfect for spaces subject to heavy traffic, machinery, or vehicles, providing unmatched durability and reliability under pressure.

Tile Adhesives Technical Data

	Appearance	Wet Density	Application Thickness	Pot Life	Adjustability	VOC
Vetaset CA540	White or Grey Powder	1.5 kg/Liter	2 - 8 mm	180 minutes	10 minutes	< 35 gm / Liter
Vetaset CA541	White or Grey Powder	1.75 kg/Liter	10 - 20 mm	120 minutes	20 minutes	< 25 gm / Liter
Vetaset CA542	White Powder	1.45 kg/Liter	3 - 10 mm	180 minutes	10 - 15 minutes	< 25 gm / Liter
Vetaset CA544	White Powder	1.55 kg/Liter	2 - 8 mm	150 minutes	15 minutes	< 25 gm / Liter
Vetaset CA545	White or Grey Powder	1.7 kg/Liter	2 - 6 mm	120 minutes	30 minutes	< 25 gm / Liter
Vetaset CA546	White Powder	1.55 kg/Liter	3 - 10 mm	150 minutes	10 - 15 minutes	< 25 gm / Liter
Vetaset CA547	White Powder	1.5 kg/Liter	3 - 10 mm	150 minutes	10 - 15 minutes	< 25 gm / Liter
Vetaset EA454	Beige Paste	1.7 - 1.8 kg/Liter	2 - 6 mm	100 minutes	20 minutes	< 25 gm / Liter
Vetaset CA548	White or Grey Powder	1.5 Kg/Liter	3 - 10 mm	150 minutes	10 minutes	< 25 gm / Liter
Vetaset CA549	White or Grey Powder	1.55 Kg/Liter	2 - 6 mm	150 minutes	10 minutes	< 10 gm / Liter
Vetaset UA456	Beige Paste	1.67 Kg/Liter	3 - 10 mm	55 - 60 minutes	90 minutes	< 100 gm / Liter
Vetaset UA457	Beige Paste	1.67 Kg/Liter	3 - 10 mm	40 - 45 minutes	90 minutes	< 130 gm / Liter

Method of Application

Surface Preparation

- The substrate should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc.
- Wet the all surfaces (except gypsum board) with clean water prior to the application of Saveto tile adhesive
- Surface should appear damp with no water pooling

Tile Adhesives Application

1. Follow mixing instructions of each products with the correct ratios to prepare the mortar.
2. Spread the mixed mortar adhesive to an area that can be tiled within 10-15 minutes using the flat edge of the trowel.
3. Comb the adhesive with a suitable notched trowel horizontally to achieve a bed thickness.
4. Tiles are then firmly pressed over the mortar adhesive and immediately knocked into the desired position.
5. Position of the tiles can be adjusted, if required, within its adjustability time of 10-15 minutes after installation.
6. Allow the installed tiles to remain undisturbed for at least 48 hours.
7. Mortar adhesive must not rise higher in the joints than halfway the thickness of the tiles.
8. It is recommended to use Vetonit Tile Grout for filling the joint gaps after 2 days of tile installation.

Tile Adhesives Products

C2 T



Vetaset CA540

Multipurpose adhesive to work with multiple types of tiles

Areas for use:

- Ceramic tiles, natural stone, artificial stone, and many other types of tiles
- Laying of large format tiles on horizontal surfaces

C1



Vetaset CA541

Thick-bed cementitious tile adhesive

Areas for use:

- Laying tiles with irregular backing to cementitious horizontal substrates (floors)
- Laying tiles on irregular substrates
- Laying of large heavy tiles such as natural stone over a variety of substrate conditions
- Where thick bed is needed
- Laying most types of tile including granite, marble, and artificial stone flooring.

C1TE



Vetaset CA542

Antimicrobial cementitious tile adhesive for health related construction

Areas for use:

- For use in Hygienic areas such as hospitals, clinics and industrial kitchens
- Laying most types of tile including marble, granite, natural stone, glass mosaic and porcelain
- Tile over tile applications & with heated screeds



Tile Adhesives Technical Data

C2 T



Vetosit CA544

Specialty polymer modified cementitious adhesive for glass blocks and glass mosaic tiles

Areas for use:

- As an adhesive for glass block
- As an adhesive for glass mosaic tiles
- Internal and external applications

C2 TE S2

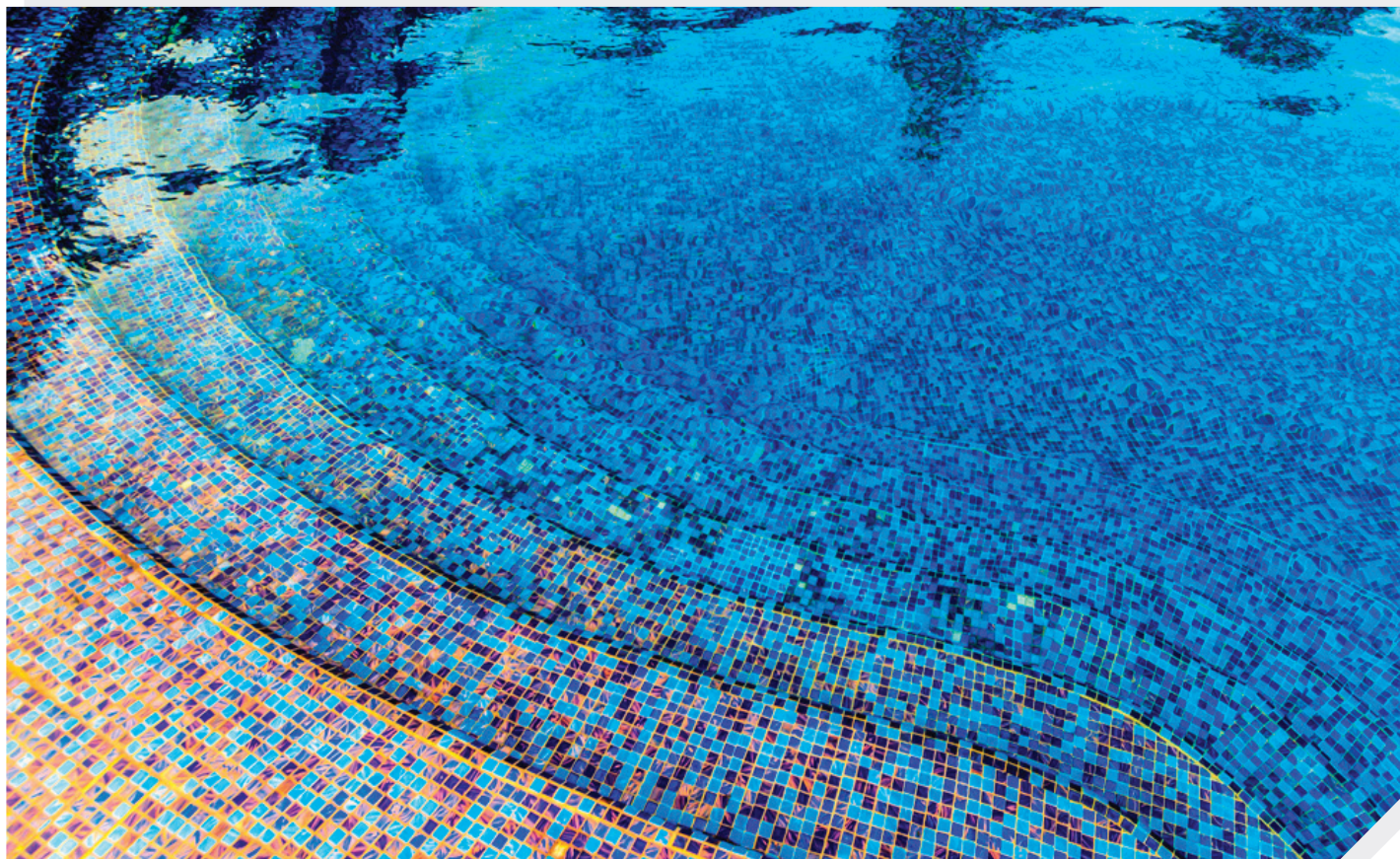


Vetosit CA545

Polymer modified two component cementitious deformable tile adhesive

Areas for use:

- Highly flexible tile adhesive for demanding applications
- Laying most types of tile including marble, granite, natural stone, glass mosaic and porcelain
- Laying of large format heavy tiles in internal and external applications
- Tile over tile applications & with heated screeds





C2 T



Vetoset CA546

Cementitious tile adhesive for fixing marble

Areas for use:

- Specifically designed for marble and natural stone conglomerates
- Suitable for large format tiles
- Tiling on normal and smooth concrete surfaces, bricks, and blocks
- Suitable for dry & wet conditions

C2 T S1



Vetoset CA547

modified water resistant adhesive for fixing pool, fountain & water tank tiles

Areas for use:

- For use in all types of tiles for water tanks, swimming pools, fountains and submerged conditions
- Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards

C1 T



Vetoset CA548

High-quality ceramic tile adhesive

Areas for use:

- For ceramic tiles
- Tiling on smooth concrete surfaces, lightweight bricks, blocks, and plasterboards
- On damp concrete interiors
- Suitable for dry and wet conditions

C2 T S1



Vetoset CA549

Professional multipurpose grade adhesive

Areas for use:

- Ceramic tiles, porcelain tiles, natural stone conglomerates (granite and marble, terrazzo), artificial Stone, and large format tiles)
- Laying of large format heavy tiles in internal and external applications
- Tile over tile applications and with heated screeds
- Laying on flexible substrates as well as dry walls (gypsum and cement boards)

Tile Adhesives Technical Data

C2 T



Vetosit CA546

Cementitious tile adhesive for fixing marble

Areas for use:

- Specifically designed for marble and natural stone conglomerates
- Suitable for large format tiles
- Tiling on normal and smooth concrete surfaces, bricks, and blocks
- Suitable for dry & wet conditions

C2 T S1



Vetosit CA547

modified water resistant adhesive for fixing pool, fountain & water tank tiles

Areas for use:

- For use in all types of tiles for water tanks, swimming pools, fountains and submerged conditions
- Tiling on smooth concrete surfaces, lightweight bricks, blocks, plaster boards

C1 T



Vetosit CA548

High-quality ceramic tile adhesive

Areas for use:

- For ceramic tiles
- Tiling on smooth concrete surfaces, lightweight bricks, blocks, and plasterboards
- On damp concrete interiors
- Suitable for dry and wet conditions

C2 T S1



Vetosit CA549

Professional multipurpose grade adhesive

areas for use:

- Ceramic tiles, porcelain tiles, natural stone conglomerates (granite and marble, terrazzo), artificial Stone, and large format tiles)
- Laying of large format heavy tiles in internal and external applications
- Tile over tile applications and with heated screeds
- Laying on flexible substrates as well as dry walls (gypsum and cement boards)

R2 T



Vetosit EA454

Water Cleanable, Chemical resistant waterproof epoxy tile adhesive

areas for use:

- Laying virtually all types of tiles to cementitious and metal substrates
- Chemical processing plants
- Industrial Kitchens, food plants and hospitals
- Swimming pools and aquariums

R2



Vetosit UA456

Semi rigid PU-based tile adhesive

areas for use:

- Suitable for both industrial and commercial applications, exhibiting excellent bonding between substrates such as artificial grass, PVC, glass, cement boards, metal, wood, rubber, fiber cement, and mineral wool
- Used as a tile adhesive horizontally on steel substrates

R2 T



Vetosit UA457

High viscous, semi rigid PU-based tile adhesive

areas for use:

- Suitable for both industrial and commercial applications, exhibiting excellent bonding between substrates such as artificial grass, PVC, glass, cement boards, metal, wood, rubber, fiber cement, and mineral wool
- Used as a tile adhesive vertically and horizontally on steel substrates

Tile Adhesives Technical Data

	Vetofill CG550	Vetofill CG551	Vetofill EG455
Appearance	Colored Powder	Colored Powder	Colored Resin
Pot Life	60 minutes	60 minutes	120 minutes
VOC	< 25 gm / Liter	< 25 gm / Liter	< 30 gm/Liter
ISO 13007-3 Classification	CG2 WA	CG2 WA	RG
Joint Width	2-10 mm	2-6 mm	2-10 mm
Compressive Strength	$\geq 16 \text{ N/mm}^2$	$\geq 20 \text{ N/mm}^2$	$\geq 50 \text{ N/mm}^2$
Flexural Strength	$\geq 3 \text{ N/mm}^2$	$\geq 4 \text{ N/mm}^2$	14 N/mm ²
Fresh Wet Density	1.85 kg / Liter	1.85 kg / Liter	1.8 kg / Liter

Method of Application

Surface Preparation

- The substrate should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc.
- Wet the all surfaces (except gypsum board) with clean water prior to the application of Saveto tile adhesive
- Surface should appear damp with no water pooling

Tile Grouts Application

1. Follow mixing instructions of each products with the correct ratios to prepare the mortar.
2. Spread the mixed mortar over the tile joints and firmly press with rubbing pad covered with sponge rubber spatula.
3. Excess grout that remains on tiles shall be removed with same tool.
4. After initial setting of 20-30 minutes, depending upon the ambient temperature & humidity, clean the tiles and remove all excess material with a wet sponge.
5. After full drying, clean the tile surfaces with dry cloth or dispensable cotton towels.
6. When washing & drying the tiles, ensure tile joints are not rubbed too deep.
7. Grout must be kept moist for first 2 days after application to ensure good hardened properties are achieved.

Tile Adhesives Products

CG2AW



Vetofill CG550

Professional grade cementitious non-sanded tile grout

Areas for use:

- Filling tile joints virtually all types of tiles between 2mm up to 10 mm
- Filling glass blocks joints
- Commercial and residential buildings such as shopping malls, office buildings, palaces and mansions
- Wet areas such as kitchens, bathrooms and swimming pools



Vetofill CG551

Polymer-modified, ultra-hygienic, non-sanded cementitious tile grout (designed for hospitals and clinics)

Areas for use:

- Antimicrobial tile grout for hygienic areas.
- Filling tile joints virtually all types of tiles up to 10 mm.
- Health related construction tiling such as kitchens, hospitals, clinics, health centres and food processing plants.
- Wet areas such as kitchens, bathrooms.

RG2AW



Vetofill EG455

Water cleanable, Chemical resistant waterproof epoxy tile grout

Areas for use:

- Filling tile joints of virtually all types of tiles upto 10 mm.
- Chemical processing plants and pharmaceutical plants.
- Industrial Kitchens, food plants and hospitals.
- Swimming pools and aquariums.
- Hospitals and clinics.



Tile Adhesives & Grouts Standard (classification system)

To simplify selecting tile installation materials, a unified system was created in line with ISO 13007-1 for adhesives and ISO 13007-3 for grouts. It provides a standardized code that helps architects, specifiers, and contractors quickly identify Saveto products' performance. Each material is rigorously tested to meet minimum performance criteria, earning an accredited classification expressed through an easy-to-read combination of letters and numbers.

Tile Adhesives

Each adhesive type can belong to one of two classes and may include optional performance characteristics. The designation combines the adhesive type (**C** or **R**), class number (**1** or **2**), and letters representing specific characteristics (**F**, **T**, **E**, **S1**, **S2**).

Types of Adhesives

- C** Cementitious Adhesives
- R** Reaction Resin Adhesives

Classes of Adhesives

- 1** Normal Adhesive
- 2** Improved Adhesive
- F** Fast-Setting Adhesive
- T** Adhesive with Reduced Slip
- E** Adhesive with Extended Open Time
- S1** Deformable Adhesive (transverse deformation ≥ 2.5 mm and < 5 mm)
- S2** Highly Deformable Adhesive (transverse deformation ≥ 5 mm)

To make it easier please refer to the examples below:

C1	Normal cementitious adhesive (Vetoset CA541)
C1T	Normal cementitious adhesive with slip-resistance (Vetoset CA543)
C1 E	Normal cementitious adhesive with extended open time
C1 F	Normal cementitious adhesive with fast-setting effect
C1 TE	Normal cementitious adhesive with slip-resistance and extended open time (Vetoset CA542)
C1 FT	Normal cementitious adhesive with fast-setting effect and slip-resistance
C1 FE	Normal cementitious adhesive with fast-setting effect and extended open time
C2	Cementitious adhesive with improved characteristics
C2 T	Cementitious adhesive with improved characteristics and slip-resistance (Vetoset CA546)
C2 E	Cementitious adhesive with improved characteristics and extended open time
C2 F	Cementitious adhesive with improved characteristics and fast-setting effect
C2 TE	Cementitious adhesive with improved characteristics, slip-resistance and extended open time
C2 FT	Cementitious adhesive with improved characteristics, fast-setting effect and slip-resistance
C2 TE S1	Cementitious adhesive with improved characteristics, slip-resistance, extended open time and deformability (Vetoset CA540, Vetoset CA544, Vetoset CA547)
C2 TE S2	Cementitious adhesive with improved characteristics, slip-resistance, extended open time and high deformability (Vetoset CA545)
R1	Normal reaction resin adhesive
R1 T	Normal reaction resin adhesive with slip-resistance
R2	Reaction resin with improved characteristics
R2 T	Reaction resin with improved characteristics and slip-resistance (Vetoset EA454)

Tile Grouts

Each grout type can belong to one of two classes and may include optional performance characteristics. The designation combines the grout type (**CG** or **RG**), class number (**1** or **2**), and letters indicating specific characteristics (**F**, **A**, **W**).

Types of Grouts

- CG** Cementitious Grouts
- RG** Reaction Resin Grouts

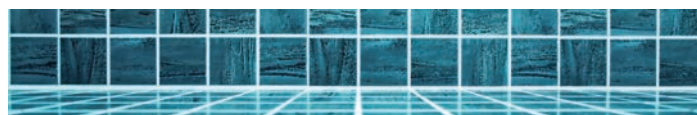
Classes of Cementitious Grouts

- 1** Normal Grout
- 2** Improved Grout

Characteristics of Cementitious Grouts (optional)

- F** Fast-Setting/Drying Grout
- A** High Abrasion Resistance Grout
- W** Reduced Water Absorption Grout

CG 1	Normal cementitious grout
CG 2	Cementitious grout with improved characteristics
CG2 AW	Cementitious grout with improved characteristics, high abrasion resistance and reduced water absorption
RG	Reaction resin grout
RG2 AW	Reaction resin grout with improved characteristics, high abrasion resistance and reduced water absorption (Vetofill EG455)



Classification of ceramic coatings / tiles by:

Degree of porosity

- Porous - terracotta, faience, clinker tiles, natural stone
- Not porous - granite tiles, glass ceramic tiles

Absorption of water (E)

Group 1	$E < 3\%$	not porous
Group 2	$3\% < E \leq 6\%$	less porous
Group 3	$6\% < E \leq 6\%$	porous
Group 4	$E > 10\%$	highly porous

Sizes

Small	up to (20 cm x 20 cm)
Medium	from (20 cm x 20 cm) to (40 cm x 40 cm)
Large	from (40 cm x 40 cm) to (60 cm x 60 cm)
Very large	above (60 cm x 60 cm)

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