

THE PRODUCT GUIDE

Our tile adhesive products boast advanced formulations for strong bonds, easy application, and long-lasting results. Explore a wide range of options to suit various surfaces and tile types. Elevate your tiling projects with our high-quality adhesives, ensuring precision and durability.



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ABOUT OUR COMPANY

Tile Tak is an established tile adhesive manufacturer operating in the Greater Durban Area that has serviced the market since 2017. As a reputable tile adhesive manufacturer our aim is to manufacture quality tile adhesives at the most competitive prices and in the process build long standing relationships with our clientele by offering sound quality support and trusted service.

The current Director of Tile Tak has established very successful tile adhesive manufacturing company's dating back to early 1987 that included Tile Grip & Ezee Tile both of which were procured by Corporate Entities. His technical knowledge in the tile adhesive industry spans 35 years.

As an established manufacturer with sound principles, we have serviced large contract in the Greater Durban Area & areas of KwaZulu Natal that include:

- Upmarket developments in Umhlanga Rocks
- Shopping Malls
- Massive retirement villages in Umkomaas & • Scottburgh
- Major Banks
- Tertiary Education Training Complexes

Tile Tak has a range of products that include:

- Standard Ceramic Fix Tile Adhesive
- 24hr Porcelain Fix Tile Adhesive
- 12hr Porcelain Tile Adhesive
- 6hr Rapid Set Tile Adhesive
- Admixtures – Tile Bond, Tile Key, Chem
- Proof
- Tile Grout
- Tile Flex Ready Mixed Tile Adhesive

OUR MISSION STATEMENT

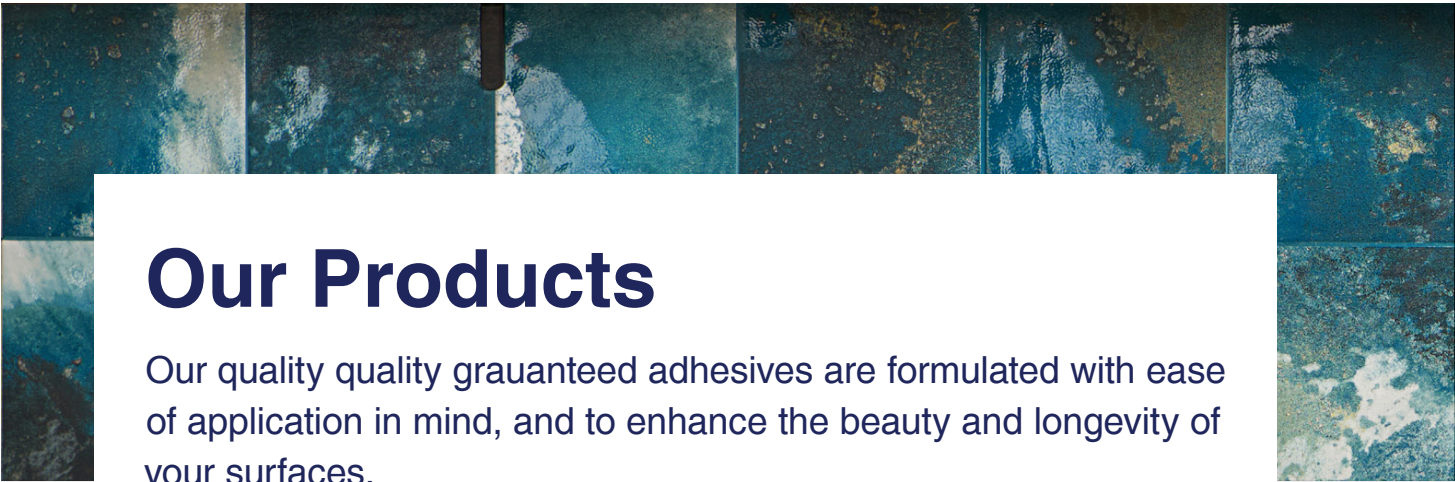
At Tile Tak we strive to deliver the best & most cost-effective products to our customers. We commit ourselves to the development, production & marketing of superior and cost-effective products that will meet our customers needs.

We will meet our employee's needs by creating an environment of mutual trust, respect, and dignity wherein all our employees can develop skills, talents, and knowledge through sustained training. Our employees can then provide themselves in their contribution & share in the success of their efforts.

We view commitments as long term and strive to have all stakeholders involved and participate in their relationship with us. Hard work & high productivity is something that we are proud of, and we accept that concept of assumed responsibility will direct our actions.

By pursuing these goals, Tile Tak will continue to build on our foundation as a high-class manufacturer & marketer of products that values long standing ties with our customers and conducts business with integrity and good ethics. We will continue to foster strong relationships with the people & organisations with which we work and encourage them to accept our mission & philosophy as their own. Through open communication with our customers & employees we will adapt to changing times while holding true to the fundamentals that support both our growth and stability.

We shall pursue our mission with passion for what we do and focus on priorities that will truly make a difference to our future.



Our Products

Our quality quality guaranteed adhesives are formulated with ease of application in mind, and to enhance the beauty and longevity of your surfaces.

WE PRIDE OURSELVES ON PROVIDING SUPERIOR TILE ADHESIVE SOLUTIONS FOR FLAWLESS INSTALLATIONS.



CERAMIC TILE FIX ADHESIVE

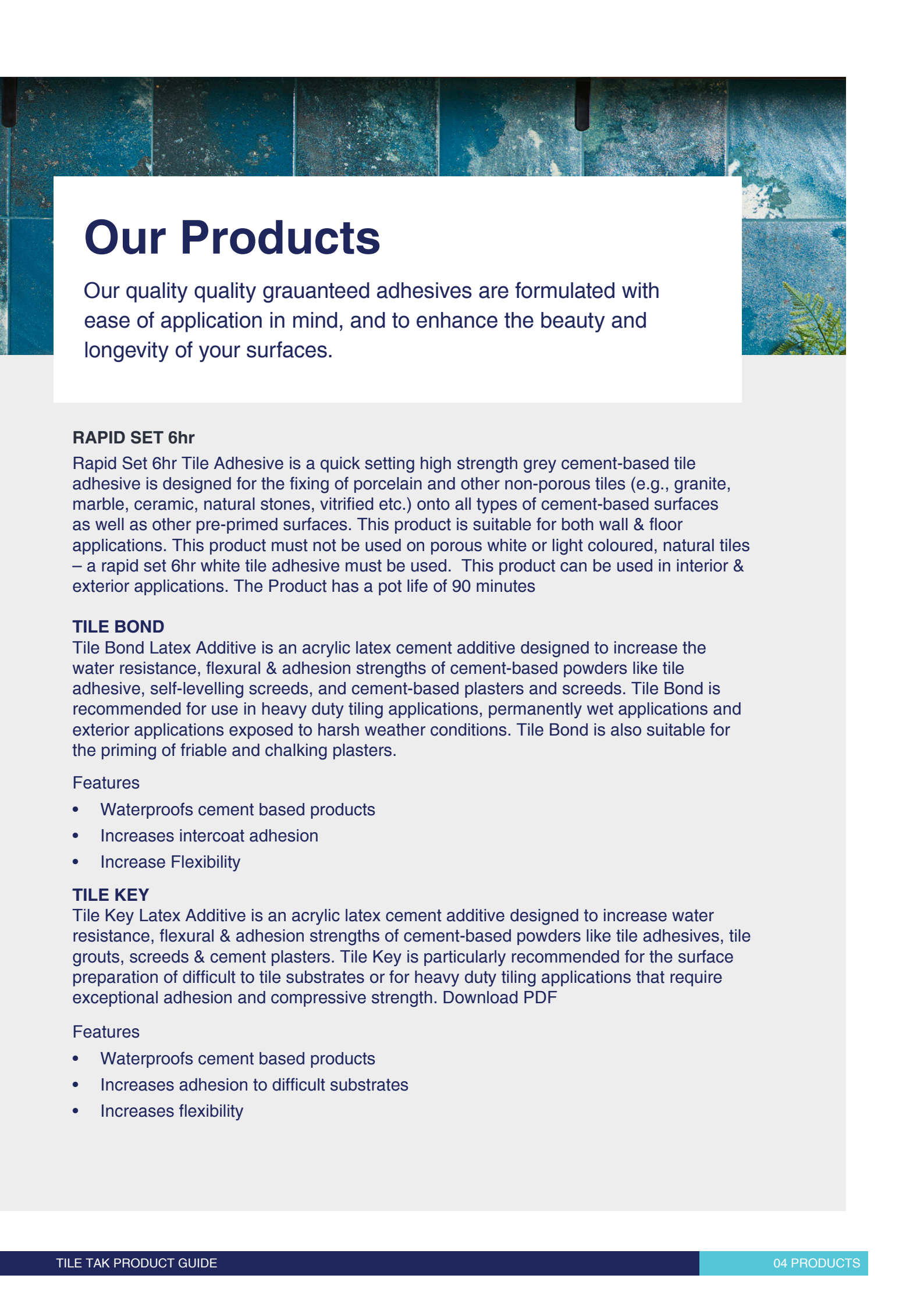
Ceramic Fix 24/48hr Tile Adhesive is a standard setting grey adhesive designed for the fixing of ceramic tiles onto all types of cement-based surfaces as well as other pre-primed surfaces. This product is suitable for both wall & floor applications. The tile adhesive mixed with Tile Tak Tile Bond may also be used to install tile in intermittently wet areas as well as underwater applications. This product can be used in interior & exterior applications. The Product has a pot life of 90minutes. Drying time 24-48hrs.

PORCELAIN FIX 24hr

Porcelain Fix 24hr Tile Adhesive is a standard setting high strength grey cement-based tile adhesive is designed for the fixing of porcelain and other non-porous tiles (e.g., natural stones, vitrified etc.) onto all types of cement-based surfaces as well as other pre-primed surfaces. This product is suitable for both wall & floor applications as well as installing tiles in intermittently wet areas as well as underwater applications. This product can be used in interior & exterior applications. The Product has a pot life of 120 minutes. Drying time 24hrs.

PORCELAIN FIX 12hr

Porcelain 12hr Tile Adhesive is a quick setting high strength grey cement-based tile adhesive is designed for the fixing of porcelain and other non-porous tiles (e.g., natural stones, vitrified etc.) onto all types of cement-based surfaces as well as other pre-primed surfaces. This product is suitable for both wall & floor applications as well as installing tiles in intermittently wet areas as well as underwater applications. This product can be used in interior & exterior applications. The Product has a pot life of 120 minutes. Drying time 12hrs.



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RAPID SET 6hr

Rapid Set 6hr Tile Adhesive is a quick setting high strength grey cement-based tile adhesive is designed for the fixing of porcelain and other non-porous tiles (e.g., granite, marble, ceramic, natural stones, vitrified etc.) onto all types of cement-based surfaces as well as other pre-primed surfaces. This product is suitable for both wall & floor applications. This product must not be used on porous white or light coloured, natural tiles – a rapid set 6hr white tile adhesive must be used. This product can be used in interior & exterior applications. The Product has a pot life of 90 minutes

TILE BOND

Tile Bond Latex Additive is an acrylic latex cement additive designed to increase the water resistance, flexural & adhesion strengths of cement-based powders like tile adhesive, self-levelling screeds, and cement-based plasters and screeds. Tile Bond is recommended for use in heavy duty tiling applications, permanently wet applications and exterior applications exposed to harsh weather conditions. Tile Bond is also suitable for the priming of friable and chalking plasters.

Features

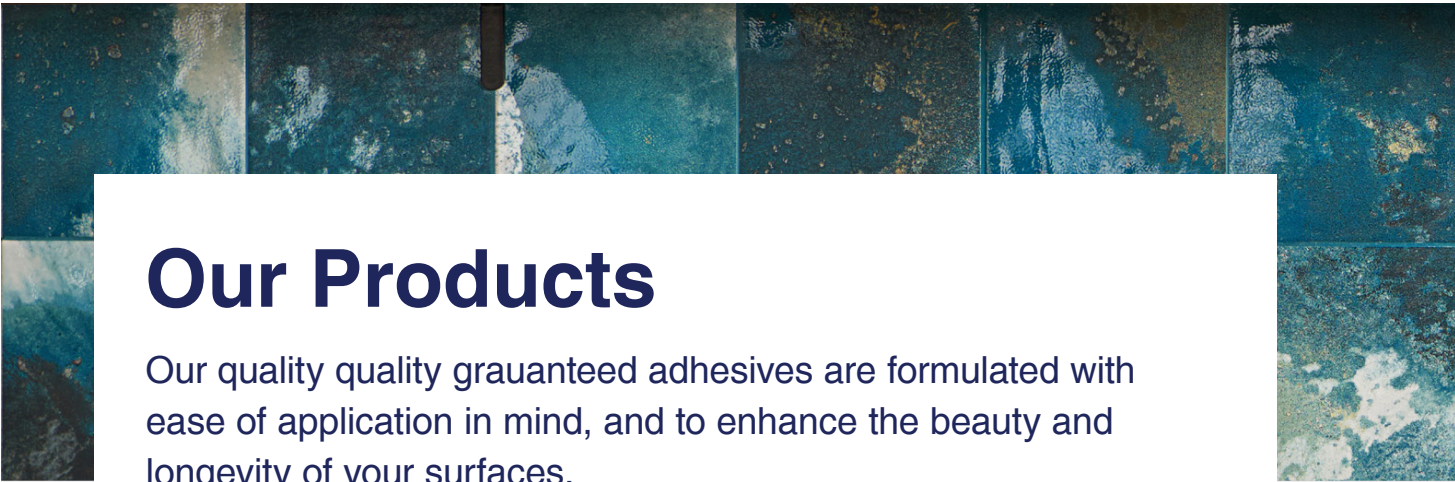
- Waterproofs cement based products
- Increases intercoat adhesion
- Increase Flexibility

TILE KEY

Tile Key Latex Additive is an acrylic latex cement additive designed to increase water resistance, flexural & adhesion strengths of cement-based powders like tile adhesives, tile grouts, screeds & cement plasters. Tile Key is particularly recommended for the surface preparation of difficult to tile substrates or for heavy duty tiling applications that require exceptional adhesion and compressive strength. [Download PDF](#)

Features

- Waterproofs cement based products
- Increases adhesion to difficult substrates
- Increases flexibility



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TILE FLEX

Tile Flex is a ready to use highly flexible, thin bed latex-based paste designed for the installation of lightweight tiles onto flexible surfaces (i.e., wall partitioning & wood). Tile Flex has excellent grip which eliminated slump when installing wall tiles. Having excellent grip tiles can be installed up-side down (window reveals etc.) Tile Flex must not be used in wet conditions nor on floors. When using Tile Flex the adhesive can be applied up to 3-5mm thick and can also be applied in a solid bed.

ACRYLIC WATERPROOFING

Tile Tak Acrylic Waterproofing is a single pack ready to use acrylic based waterproofing system suitable for waterproofing shower recesses, interior wet areas, parapet walls etc. The acrylic waterproofing is ready to use and may be applied using a brush or paint roller. Once cured the waterproofing system (incorporating the membrane) is flexible & will accommodate normal structural movement. Once cured the waterproofed area may be tiled on using the correct tile adhesive type.

CHEM PROOF

Tile Tak Chem Proof is a synthetic latex admixture that has been designed to waterproof showers, retaining walls, balcony floors, concrete decks & flat roofs. Chem Proof is also a submerged waterproofing system for the waterproofing of ponds & other underwater applications. Once cured the waterproofing is sufficiently flexible to accommodate normal structural movement. Once cured the waterproofed area may be tiled on using the correct tile adhesive type.

GENERAL TILING SPECIFICATIONS



SURFACE PREPARATION

New floors & walls must be allowed to cure as directed below to ensure that the tile application is not affected by shrinkage/movement during the curing process:

- New concrete: 6 weeks
- New screed: 4 weeks
- New plaster: 2 weeks
- New brickwork: 4 weeks

Ensure that surfaces to be tiled are sound (no cracks & crumbling), clean, free of dust, release agent or any type of surface dampness. Any fungicide must be treated and killed before applying any tile adhesive.

Very smooth surfaces such as steel trowelled floors & off shutter concrete must be acid washed to remove laitance and then rinsed with cold water. The floor must then be primed with a slurry coat of 1 part Tile Tak Tile Key to 2 parts 42.5mPa - cement.

Painted surfaces, gypsum and old surfaces of bitumen must be chipped to expose at least 80% of the original substrate. The floor must then be primed with a slurry coat of 1 part Tile Tak Tile Key to 2 parts 42.5mPa cement.

High porous surfaces can negatively affect the bond strength of the tile adhesive. Check the porosity of the substrate by applying a small quantity of water. If the moisture is completely absorbed within 1 minute then the surface is too porous and will need to be sealed & primed. Prime with a slurry coat of 1 part Tile Tak Tile Key to 2 parts 42.5mPa cement.

MIXING

The mixing of the tile adhesive can be done using a mechanical mixer or by hand using a paddle. Add 20kg Tile Tak Tile Adhesive 24hr to 5 lt of clean, cold water and mix into a smooth paste. It is always advisable to use a full bag in 1 mix. Once mixed into a smooth, lump free consistency allow to stand for 5 minutes before mixing again before use. Use with 120 minutes.

Where the application is external or in wet applications (i.e., showers etc.), or high traffic installations or where flexibility is required (i.e., high ambient variations etc.) replace the water in the mix with Tile Tak Tile Bond.

When mixing tile adhesive please remember the following:

When mixing always add powder to water to avoid excess lumping during mixing. Never add more liquid to a bag than specified – 5lt water to 20kg Tile Tak Tile Adhesive. If the product begins to stiffen after been mixed never add extra water as this will compromise the integrity of the tile adhesive system.

Cold ambient conditions will extend the drying time & alternately hot ambient conditions will shorten the working time of the tile adhesive.

Always clean the mixing apparatus with clean water before the tile adhesive hardens. Never wash cement-based tile adhesive down the drain as polluting the system may contravene the bye laws and blockages will occur.



GENERAL TILING SPECIFICATIONS

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Before tiling commences ensure that the tiles are dry, and the back of the tile is free of dust & other surface contaminants that may affect the adhesion of the tile to the substrate.

PRODUCT APPLICATION

Apply the mixed tile adhesive to the surface using a wall trowel for lightweight wall tiles (notches 6mmx6mmx6mm) and a floor trowel for floor tiles (notches cut 12mmx12mmx12mm) & heavy walls tiles where a solid bed of tile adhesive is necessary.

Tile Tak Tile Adhesive 24hr can be applied in a bed thickness of 3mm – 15mm and up to 20mm in isolated sections. For greater bed depth we would recommend that a “butter” bed be laid beforehand.

When laying the tiles, we would recommend that only sufficient tile adhesive be spread to accommodate tiles that can be laid within 15minutes. If the tile adhesive when laid is left exposed for more than 15 minutes the adhesive will skin. If skinning was to occur the tile adhesive must be respread before laying the tiles. When installing tile panels, it always good practice to “twist” the tiles when bedding the tile.

Once the tiles have been laid, bed the tiles into the tile adhesive using a rubber mallet. Again, it is good practice to remove random tiles once laid to check the adhesive contact with the back of the tile.

When laying large tiles, it may be necessary to “butter” the back of the tile panel before laying to ensure full adhesive contact between the tile and the substrate. Never ever use a 5-spot mixing method when lay wall or floor tiles.

Never butt joint tiles. It is good practise to leave a grout-joints varying from 2-3mm for ceramic wall tiles, 3mm for porcelain & marble, and 6mm for ceramic floor tiles & natural stone floor tiles. Clean the tile adhesive out of all the grout joints and parameter joints before the tile adhesive harden.

When laying tile in large areas it is essential not to tile over expansion joints, structural joints. These joints must be carried through the tile panel and filled with a compressible compound (silicone sealant etc.) Movement joints must be installed in tiling every 5 metres running in both directions, and 3 metres in exterior applications. See section on MOVEMENT JOINTS.

Should the tile adhesive begin to stiffen in the bucket, the pot life of the tile adhesive is nearing. Do not add extra water to try and thin out the tile adhesive.

SPECIAL NOTES

- Allow for 24hrs drying before grouting.
- Mechanically support large wall tile laid for 24 hours.
- All exterior tile applications must be protected from the sun and incumbent weather for 24hours. This is to prevent rapid drying. Tiles to protected from Rain for at least 24 hours.
- Cater for longer setting times when large tile panels are laid.
- Ensure that the tile panel has full contact with the tile adhesive. It is good practice to check laid tiles on a regular basis for full tile adhesive contact. Any voids beneath floor tile panel will result in cracked tiles.

GROUTING – WALL & FLOOR PANELS

- Ensure that the tile adhesive has been removed from the joints
- Allow for 24 hours before grouting the joints
- Do not grout with pure cement
- Grout with Tile Tak Wall & Floor Grout
- In wet conditions replace the water in the mix with Tile Bond.
- Use Tile Tak Wall & Floor Tile Grout to grout the joints. Please refer to the Tile Grout product data sheet for mixing & application instructions.

MOVEMENT JOINTS

- Tile panel movement joints should be installed as follows:
- Movement joint for internal application must be installed in both directions at 4 metre intervals running in both directions
- Movement joints for exterior applications must be installed in both directions at 3 metre intervals running in both directions
- Movement joints must also be catered for in both internal & exterior applications around the perimeter of all floors
- Movement joints must be installed around all vertical & horizontal corners and must be carried through all structural joints in the same thickness as the structural joint.
- All tile panel movement joints must be 5-6mm in width and must be carried through the tile panel and extend through the tile adhesive. The moment joints must be filled with a recommended polyurethane joint sealant.

GENERAL TILING SPECIFICATIONS



GENERAL INFORMATION

CLEANING

Dry Powder Spillages:

Do not allow for water exposure. Sweep up & Discard in accordance with the by-laws.

Wet Adhesive Spillages:

Pick up the wet adhesive before the product dries & wipe down affected areas with a damp cloth/sponge. Discard in accordance with the by-laws.

STORAGE & SHELF LIFE

When stored in dry conditions, off the floor & out of direct sunlight, the shelf life is 3months.

PACKAGING

Tile Tak Cement Based Tile Adhesive is supplied in 20kg bags.

SAFETY & WARNINGS

The following precautions must be adhered to:

Ensure that the above instructions are adhered to at all times and do not adulterate the product in any way as this could result in tile failure.

Rubber gloves should be used when applying Tile Tak Tile Adhesive. In the event of skin irritation, rinse the affected area under cold water. Consult a medical doctor if the irritation persists.

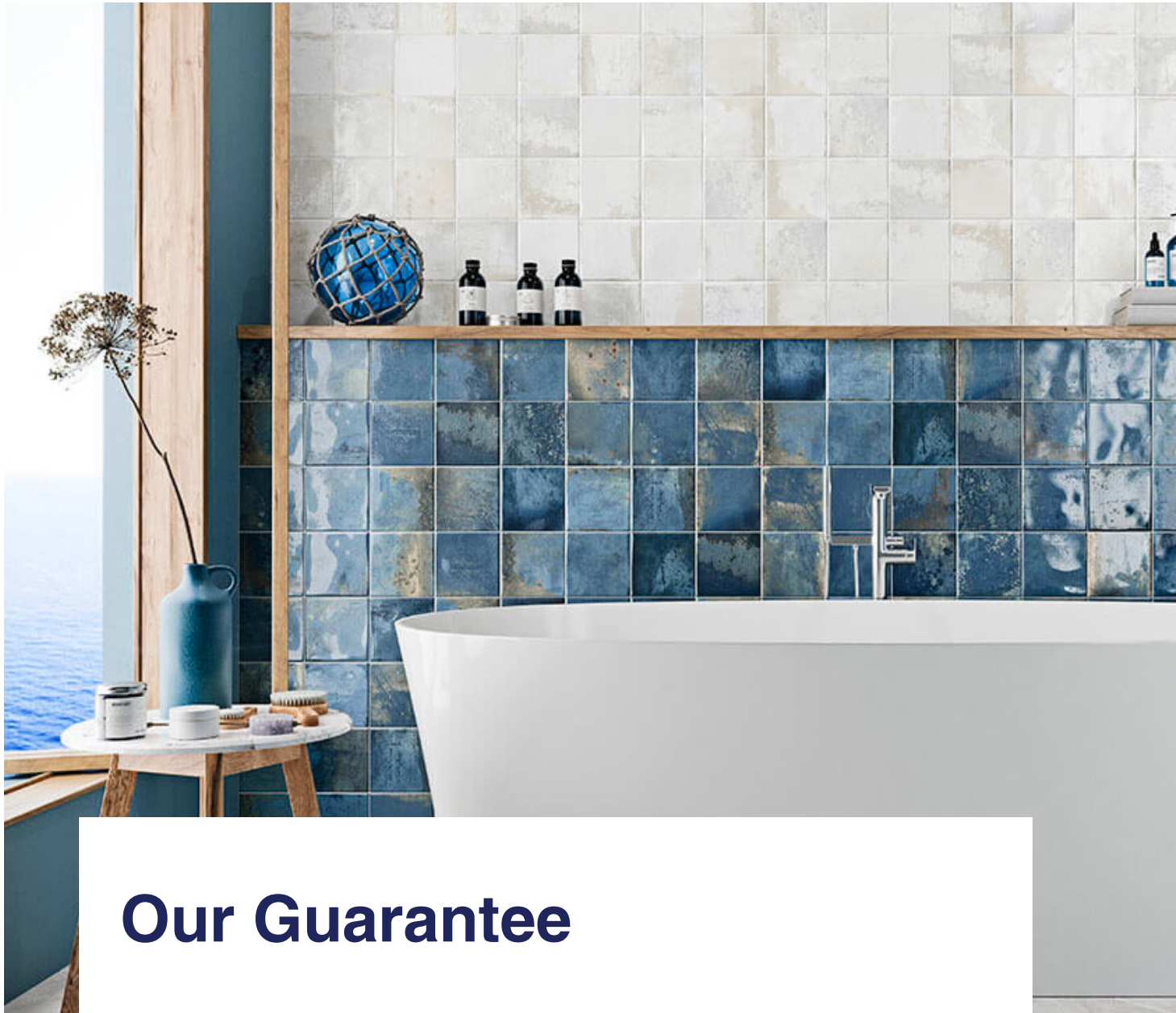
Keep the product away and out of reach from children and pets. Use a respirator when handling the dry product.

This guideline only serves as a basic manual for the surface preparation product selection and installation procedure for this type of application. Each installation needs to be assessed and the products used, and the procedures followed should be in accordance with the SABS Code for the design and installation of ceramic tiles SABS 10107:2011. Please also ensure to refer to the relevant product data sheet.

GLOSSARY OF TERMS

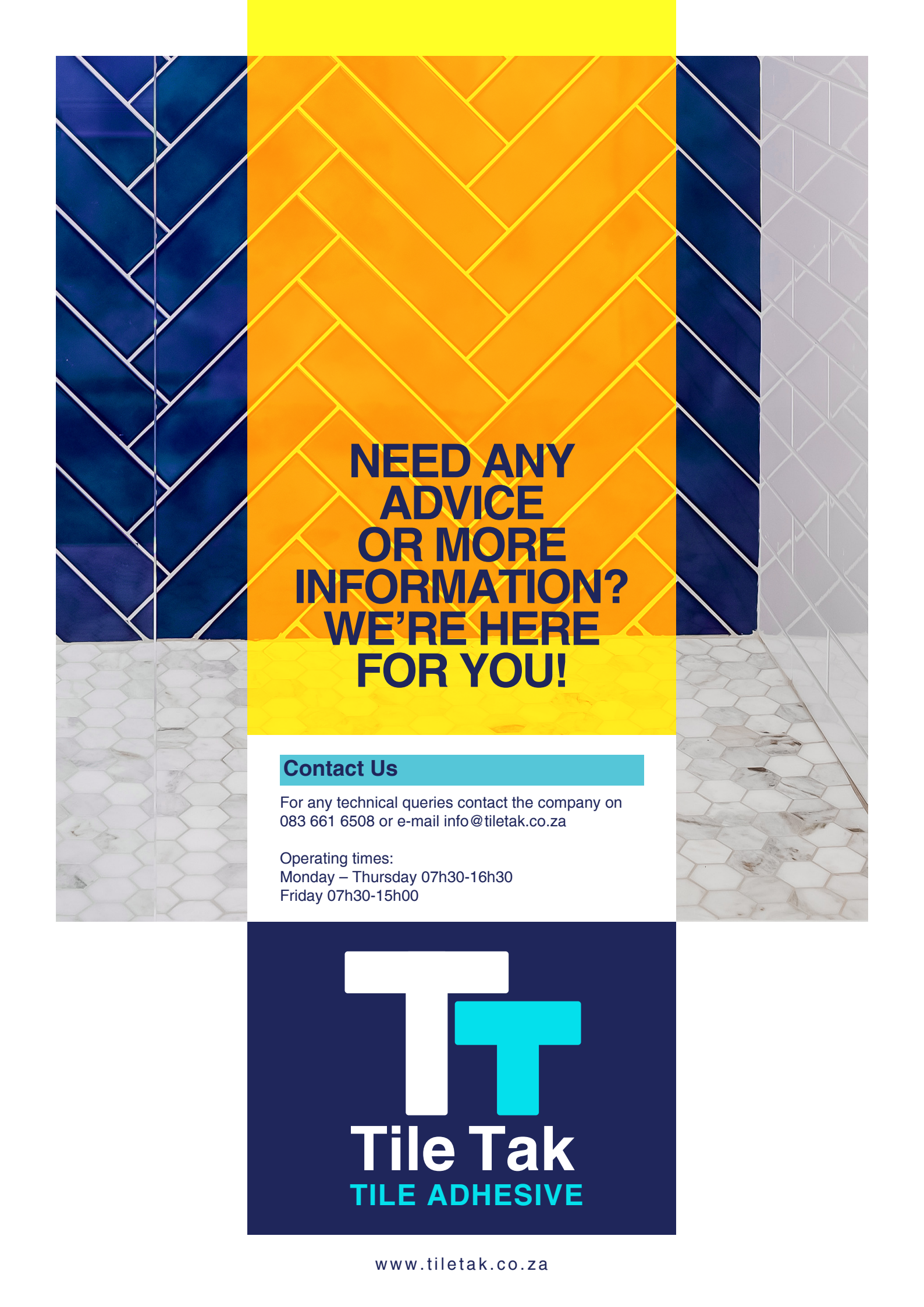
Whether you're a seasoned DIY enthusiast or just starting out, understanding these terms is crucial for mastering the art of tile installation

- **Admixture:**
Synthetic latex base polymer used as a water replacement in cement based tile adhesives & grouts where improved flexibility, adhesion & water resistance is required.
- **Open Time:**
The maximum time in which a tile can be laid into a bed of tile adhesive with no adverse effect on the bond strength.
- **Bed Thickness:**
The thickness of the tile adhesive after the tile has been laid.
- **Pot Life:**
The period of time that a tile adhesive can be used before setting commences.
- **Shelf Life:**
Shelf life of a tile adhesive is the period it can be stored and retain its integrity.
- **Slip:**
Downward pressure exerted by the weight of the tile itself when laid into a wet bed of tile adhesive.
- **Buttering:**
Buttering is when tile adhesive is spread on the back of the tile before the tile is laid. This method will ensure good tile adhesive contact. Normally used with irregular tile backs & large format tiles where bowing can occur.
- **Butt Joint:**
Butt jointing occurs when tiles are laid with no space between the tiles.
- **Grout:**
Grout is the material used to fill the joints between the tiles.
- **Movement Joints:**
A gap that is carried through the tile adhesive and the tile panel that is filled with a flexible compound that can absorb pressures exerted on the tile panel.



Our Guarantee

Tile Tak products are manufactured and tested within in-house procedures and are guaranteed to be free from any manufactured defects and fit for specified purposes. This guarantee is subject to the performance of Tile Tak products when applied in strict accordance with the application specifications for the specific project, where good workmanship is adhered to. As Tile Tak has no influence over specific site conditions it is important that the applicator will always carry out sufficient testing of the product to satisfy themselves that the product is suitable for the intended purpose. Tile Tak will not be liable for inadequate workmanship nor any defects due to external factors beyond the control of Tile Tak including, unsound structures, building movement, development of cracks etc., nor product adulteration or product misuse.



**NEED ANY
ADVICE
OR MORE
INFORMATION?
WE'RE HERE
FOR YOU!**

Contact Us

For any technical queries contact the company on
083 661 6508 or e-mail info@tiletak.co.za

Operating times:
Monday – Thursday 07h30-16h30
Friday 07h30-15h00



www.tiletak.co.za