

weber.tai flex



Flexible high performance adhesive for fixing all types and sizes of tiles onto heavy-traffic areas or the areas subjected to vibration. Ideal for tiling on exterior walls.

Product Benefits

- Resist to compressive strength and vibration due to heavy traffic. Suitable for parking area, supermarket, and industry
- Able to absorb some substrate vibration.
- Resist to temperature changes on the exterior wall of high-rise building
- Excellent adhesion even on non-porous tile. Suitable to use with porcelain tile, granite, and natural stone
- Suitable for tiling onto cement-based substrate, gypsum board, light-weight concrete, polished stone*, wooden substrate*, cement-fiber board*, parquet*, and existing tile
- (* Apply **weber.prim 2** primer before tiling with **weber.tai flex**)

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KEY BENEFITS

- Resist to compressive strength and vibration from heavy traffic and structural movements
- Resist to temperature variation on the exterior walls of hi-rising buildings
- Excellent bonding strength
- Tiles can be adjusted for long period due to longer open time
- Longer pot life allows the mixture standing longer for use (keep away from heat and sunlight)
- Tiles are adjustable within 15 minutes
- Tiled floor can open for foot traffic after 24 hours

PERFORMANCE

- Temperature resistance: -30°C to +80°C
- Deformability: 5 mm/3 N

Associated Weber products

weber.color outside

Flexible tile grout for exterior wall and parking area

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- Maximum weight of tiles for vertical application: 40 kg/m²
- Compressive strength: >14 N/mm² (MPa)
- Bonding strength at dry stage: 1.5 N/mm² (MPa)
- Bonding strength in water immersion: >1 N/mm² (MPa)
- Bonding strength after heat aging: >1 N/mm² (MPa)
 - Note: These test results are from laboratory test. They might be slightly different from on-site results because of the differences in applications and conditions.**

LIMIT OF USE

- Not suitable to use directly on glazing substrate, wooden or parquet or painted surface, and cement-fiber board (instead use **weber.prim 2** primer before applying **weber.tai flex**).
- Not suitable to use on metal surface (instead use **weber.color poxy**).

SURFACES PREPARATION



- For new substrate:** it should be flat, hard, level, dry, and clean with normal absorption.
- For old substrate:** scrape off any peel-off coatings or remove any de-bonding tiles and do the re-tiling.
- Clean the surface until free from grease, dust, or any stains.
- If the surface is very porous with high absorption, it should be wet until reaching its saturated point before tiling.
- In case of new screed or render,** the substrate should be fully cured for 7 days per 1 cm thickness of concrete before tiling.
- For old substrates or existing tiles,** it is recommended to clean with hydrochloric acid (cleaning chemical for bathroom) in order to make sure the adhesion on old tile substrate.
- In case of flexible or bendable substrates;** gypsum board, gypsum-fiber board for instance; it is recommended to frame and brace them with screw for every area of 900 cm² (30 x 30 cm.).

TILES PREPARATION



- Tiles should not be immersed in water because it will decrease bonding strength of the adhesive.
- Ensure that tiles are clean, dry, free from grease, dust, or any other contaminations.

MIXING



- Put 5 liters of clean water in a bucket (the water should be at room temperature, not warm or hot).
- Gradually add **weber.tai flex** (20 kg) into this bucket following the ratio water:weber.tai flex:
 - 1:4 by weight
 - 1:3 by volume, in water and mix at the same time by using slow speed (500 rpm) electric mixer.
- When using traditional trowel, mix properly until homogeneous lump-free paste is obtained.**
- After proper mix, leave the product for 3 - 4 minutes before using in order to have the complete chemical reaction.**
- The mixture of weber.tai flex should be used within 4 hours and kept away from heat & sunlight.**

APPLICATION

- Apply some adhesive on the substrate, and then use a notched trowel to equally

TILING ONTO WOOD OR
CEMENT-FIBER BOARD
TILING FOR CAR PARK,
DEPARTMENT STORE
AND INDUSTRY
TILING ON TERRACE OR
EXTERIOR WALL
TILING ONTO EXISTING
TILE
TILE DIFFERENTIATION
ACCORDING TO THE
WATER ABSORPTION
TILING WITH TILE
ADHESIVE
GROUTING FOR CAR
PARK, DEPARTMENT
STORE AND INDUSTRY
GROUTING FOR
INDUSTRY, FOOD
INDUSTRY, HOSPITAL

Project references

Wat Ban Rai in Thailand
Carrefour Hypermarket
Champs Elysees
Magnolias Housing



spread the adhesive on the area of 1 - 2 m². The depth of the notched trowel is to control the constancy and quantity of adhesive.

- **For floor:** spread the adhesive on the substrate with the notched trowel.
- **For wall:** better spread the adhesive horizontally with the notched trowel on the substrate.
- **Using notched trowel will ensure a better transfer of adhesive onto both tiles back and substrates than using brick-laying trowel.**
- In case of tile size exceeding 25 x 25 cm (10" x 10"), it is recommended to have adhesive buttered onto the tile back in order to ensure the overall covering of the adhesive onto substrate and **also to prevent voids underneath the tiles, which could make tiles being fragile and allow water permeation.**
- Lay tiles on the adhesive and press firmly or knock gradually with rubber hammer in order to spread the notch of adhesive equally and ensure a good contact.
 - **Leave clearance joints, at least 2 mm, for grouting.**
- Carefully clean off any excess adhesive from the tiles and joints with a damp sponge while the adhesive is still wet.
- Any adjustments can be done within 15 minutes before **weber.tai flex** sets.
- Wait for 24 hours before grouting to let the adhesive dry completely.
 - **Weber grouting products are available in many ranges of color and application depending on the demand and working conditions.**



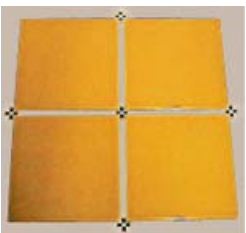
APPLICATION PROPERTY

- Pot life: 4 hours
- Open time: 30 minutes
- Adjustment time: 15 minutes
- Time before grouting : minimum 24 hours
- Time before traffic: 24 to 48 hours
- Recommended thickness: 2 to 10 mm

RECOMMENDATION FOR USE



- Avoid applying the adhesive in lumps (as shown in the picture 1) at the tile back. This will create voids underneath the tiles, which could lead to the tile fragility and water permeation.
- Avoid using the adhesive on red-hot substrates or the substrates exposing to direct sunlight.
- Spacers should be used to control the joint width and maintain straight joints.
- To avoid water leakage into underneath tiles and to avoid tile movement when there is foot traffic, the joint width is recommended to be at least 1.5 mm for wall and at least 3 to 20 mm for floor.



PACKAGING



- 20 kg/bag (Approximately 20kg/ 4 m²)

SHELF LIFE & STORAGE

- One year after manufacturing date when stored unopened in dry and ventilated place. (Store airtight in dry and ventilated conditions, if remained in opened bag)

COLOR

- Grey

Portable Document Format (PDF)

Portable Document Format (PDF) [weber.tai flex](#)

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Cementitious adhesive for fixing porous tile, ceramic tile onto cement-based floor and wall.

