

Cement Base Ceramic Floor & Wall Tile Adhesive (Type C Class T2)

Product Description

Rayston Tile 40 is a polymer-modified cement-based powder that can be used either as a thin-bed or thick-bed adhesive, normally at a thickness of up to 6 mm but up to 12 mm for small, isolated, uneven areas of limited extend. It is suitable for use for interior or exterior **Rayston Tile 40** is particularly useful for floor tile fixing in areas which have to support normal pedestrian traffic within a few hours after laying.

Uses

- **Rayston Tile 40** may be used to fix ceramic floor tiles direct to concrete, cement /sand screed, existing unglazed ceramic floor tiles, clay floor quarries, and terrazzo.
- For fixing ceramic wall tiles. It may be used to fix directly to brickwork, concrete, and cement/sand rendering.
- For water retaining structures as swimming pools, water tanksetc.

Advantages

- Premixed, ready to use directly from the package.
- High adhesive bond strength & weather and waterproof.
- Used to fix the tiles on most substrates even non-porous ones.
- Suitable for dry, wet areas and high or low-temperature weather.
- Resistant to mould & fungus.

Properties

It Complies with EN 12004, ANSI A118.4

Appearance	Dry Powder
Color	White, Grey
Specific gravity	1.87 ±0.13
Pot life @ 23 °C	60 Min
Adhesion strength	>0.5 N/mm ² (28 days)
Compressive Strength	15 N/mm ²

How to use

- New concrete and brickwork should be allowed to mature for at least 4 weeks before fixing commences.
- If screed or render is applied the background should be at least 4 weeks old before a separate 1:3 or 4 cement/ sand mortar is applied.
- The screed or render must then be left at least another 2 weeks before tile fixing is commenced.
- Existing ceramic floor tile, clay floor quarry, and terrazzo surfaces should be checked to ensure that there are no loose or hollow sounding areas.
- Any defective sections must be made good before laying new tiles on top.

Mixing

- **Rayston Tile 40** with 5.5 liters of clean water to a thick creamy consistency.
- After mixing with water the adhesive is ready for use.
- No further water should be added after the original mixing.
- A mix is usable for at least 60 minutes when mixed at 23 °C after which period any portion unused should be discarded.
- For exterior application ,**Rayston Tile 40** should be mixed with the same amount liquid composed of water & Rayston Latex Ultra 1:1 by volume.

Application

- Apply a key coat of material mixed with water (1:1) by weight
- Direct fixing to concrete, cement/sand screed, existing ceramic tiles clay floor quarries, and terrazzo.
- Tiles must not be soaked. They are fixed dry, and **Rayston Tile 40** may be applied directly to the floor as a thin layer.
- After spreading the adhesive on the working time will vary according to atmospheric conditions but is approximately 60 minutes.
- Therefore, it is important not to spread more adhesive at a time than can be covered with tiles within this period.
- Each tile must be pressed firmly into position and no voids must be left behind to achieve this additional layer of adhesive may be applied to the backs of the dry tiles immediately before they are laid.
- Alternatively, the adhesive may be combed with a special solid-bed trowel which provides a series of fine ribs onto which tiles may be laid.

- The whole back of each tile must be covered with adhesive, while joints of at least 3 mm should be left around each tile.
- Ceramic tiles must never be fixed with tight joints and must be evenly laid so that there is no protruding or raised edges.
- **Rayston Tile 40** can be used at thicknesses from 3 mm up to 6 mm, and for small isolated uneven areas of limited extent it may be used up to 12 mm.
- Before the adhesive sets, clean off any surplus remaining on the face of the tiles and between the tile joints in readiness for grouting. Floor tiles laid in **Rayston Tile 40** in normal atmospheric conditions may be subjected to foot traffic 24 hours after fixing, i.e. when the adhesive has hardened sufficiently.

Notched-trowel method:

- For interior, dry conditions **Rayston Tile 40** may be used to fix tiles by the notched-trowel method. Apply to the wall at a thickness of about 3 mm then go over it with a trowel having notches 6 mm x 6 mm at 25 mm centers.
- This will give a series of ribs onto which the dry tiles should be pressed firmly home with a twisting or sliding action.
- Tiles must be fixed in position before surface drying of the adhesive occurs. Therefore, it is important not to spread more adhesive at a time than can be covered with tiles within this period i.e. work in small areas of approximately 1 sq.m at a time.
- Fixing capability is up to 50 kg/m².

Theoretical coverage

2 Kg of **Rayston Tile 40** / sq.m / 1mm thick.

Packaging

25 Kg sacks

Shelf life & Storage

Rayston Tile 40 has a shelf life of 6 months at least when stored in normal dry conditions

Cleaning

Tools and application equipment should be cleaned with water immediately after use.

Health and Safety

- Care should be taken to avoid inhalation of dust and to prevent material from entering the eyes.
- Use goggles-gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from the skin with a hand cleanser or soap and water.
- Eye splashes are to be washed with plenty of water.

Additional Information

Krypton provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.

Krypton designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.

Krypton reserves the right to change the properties of its products.

All orders are accepted subject to our current term of sale & delivery.

Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

Krypton extends technical services to include after-sales support to assist users in the proper handling of our products.