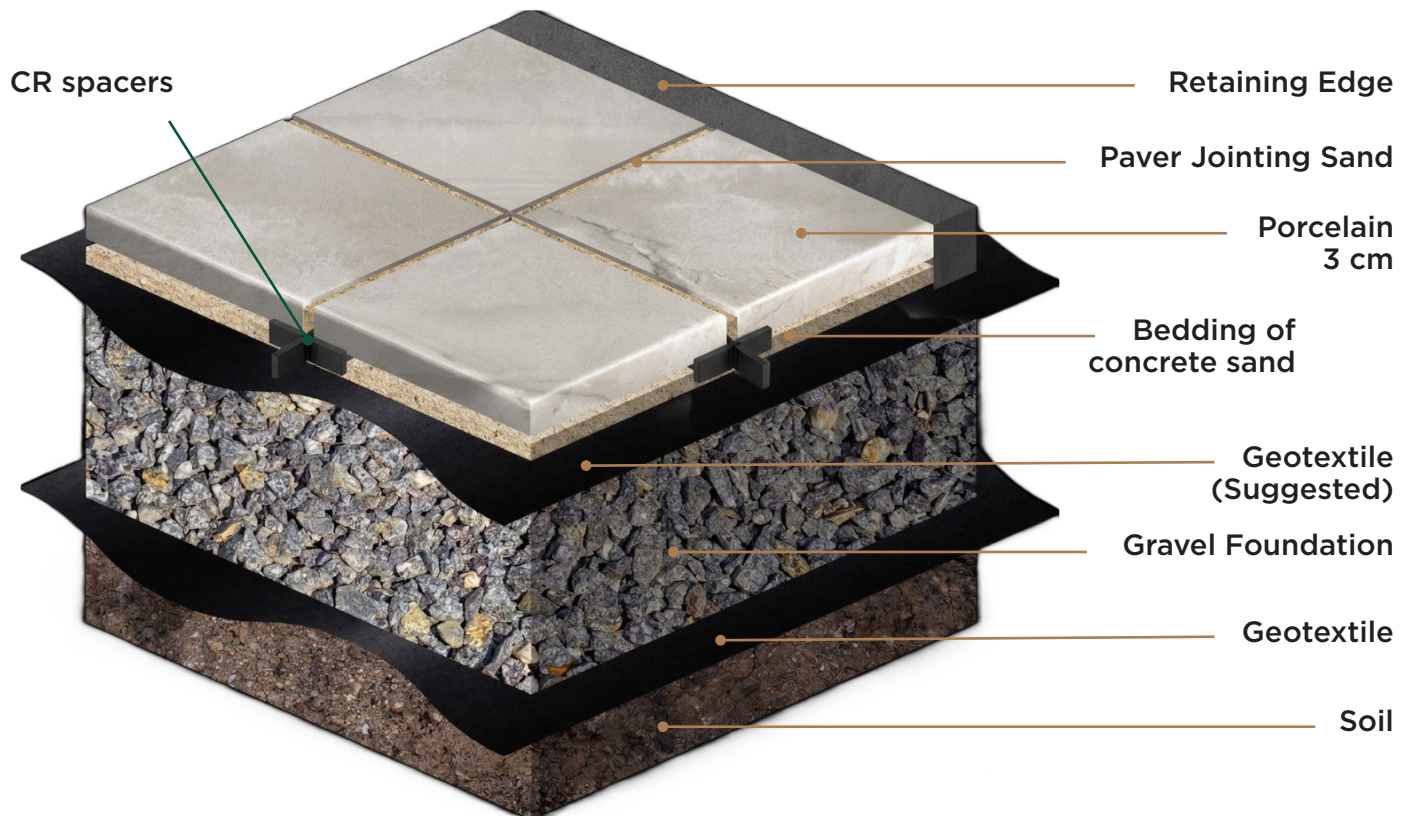


## Laid on a bed of concrete sand



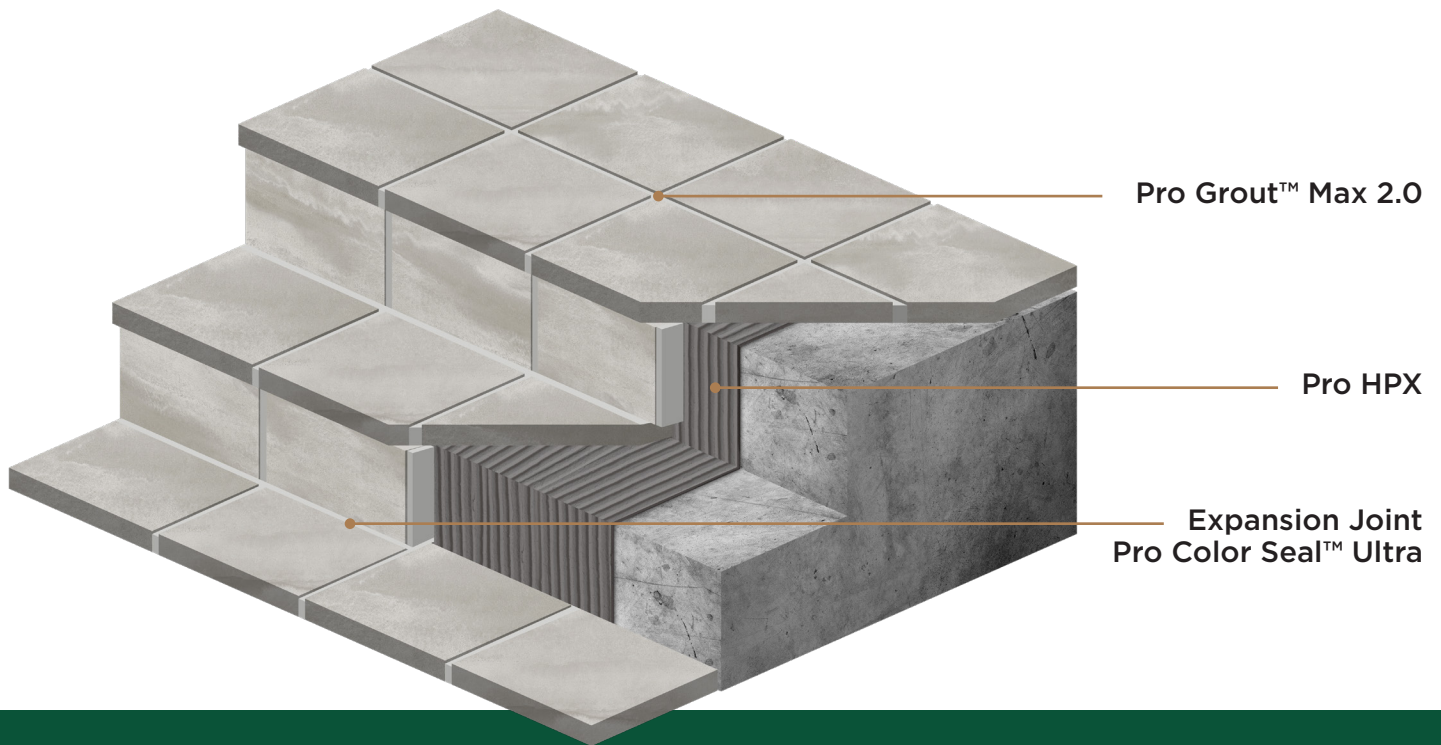
## Installation Steps

1. Excavate the area to the required depth according to your geographic region.
2. Lay geotextile.
3. Prepare the gravel base and **compact** it.
4. Lay geotextile (Suggested).
5. Install retaining edges to hold the porcelain pavers in place.
6. Spread a bedding of concrete sand, compliant with **ASTM C33**, over the gravel foundation, level and **compact**.
7. Begin installing porcelain pavers from a fixed point. For products without integrated spacers, use CR spacers to maintain consistent spacing and precise alignment.
8. Cut porcelain pavers as needed to adjust edges and irregular shapes using blades.
9. Once all porcelain pavers are installed, **compact** them with a **vibrating plate** to ensure a well-consolidated surface.
10. Install porcelain paver sand following the manufacturer's instructions or install sand in accordance with the **ASTM C144** standard as recommended by the **ICPI**.



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## Installation Glued to Concrete



### Surface preparation

1. All support surfaces must be structurally sound, solid, dust-free, clean, stable and level. If the structure is not sound or strong, additional GREFINO products are available such as PRO Patch RSX, PRO MBR XD and synthetic reinforcement net.
2. Any trace of chemical substances, including acids, alkalis and cleaning products must be neutralized or removed.
3. All concrete substrates must be fully hardened (at least 28 days) and slightly textured.

### Mixture

1. Use clean mixing tools and containers.
2. In a clean container, measure and pour 5.5 L
3. (1.4 US gal) of cold clean water and gradually add **22.7 kg (50 lb)** of PRO HPX powder mixture while slowly mixing.
4. Using a mechanical mixer at low speed or controlled low speed, knead until you get a homogeneous mixture, smooth, without lumps and a uniform consistency.

### Application

1. Apply the cement-glu using the flat side of a recommended trowel, applying sufficient pressure to cover the support completely and ensure optimal adhesion. For 24x24 and 16x32 inch tiles it is Recommended to use a 1/2 inch serrated trowel, while a 5/8 inch trowel is preferred for 24x48, 24x36 and 48x48 inches.
2. Immediately apply a sufficient layer of glue on concrete structure. Line straight lines with the serrated side of the trowel for a uniform bed. Coat the back of the tiles with fresh cement-glu and lay them without delay for optimal transfer.
3. Apply the cement-glu in sections that can be covered in 15 minutes to prevent it from drying out.
4. Firmly press the slabs into the fresh cement-glu with a slight back and forth movement across the grooves and lightly tap the slabs to obtain a complete lay bed fit.
5. Refer to the ProMa Technical Guide - Installation Product / Cement - Polymer-modified glues for details."
6. Refer to the MLT datasheets for use of the leveling system tool.