

# PANEL ADHESIVE

## PRODUCT DATASHEET

TQ Panel Adhesive is a high-quality adhesive for the installation of natural stone tiles used in interior and exterior areas on walls and floors.

Manufactured under BSI Quality Assurance Scheme ISO 9001 this product has been formulated to comply with the classification C2TE-cement based, high strength, slump resistant extended open time.

### ADVANTAGES

- High adhesive strength
- Excellent impact resistance
- Good workability
- Easy to spread

### TECHNICAL

Water Demand	4.5L TO 5.0L OF WATER PER 25KGS
Working Time	45MINUTES @ 20°C
Bed Thickness	MIN 2MM - 15MM (FOR LARGER THICKNESS SEE APPLICATION)
Substrate Temp.	+3 °C MIN / + 25 °C MAX
Air Temp.	+5 °C MIN / + 25 °C MAX
Density	1250KG/M <sup>3</sup>
Chloride Ion Content	<0.05% N/A
Compressive Strength	7 DAYS >10 N/mm <sup>2</sup> 28 DAYS >15 N/mm <sup>2</sup>

### MIXING

4.5L to 5.0L of water per 25kgs to achieve the desired workability and ensure consistent water content for each batch. Only mix the amount of material that can be used within the working time. Mix with a suitable mechanical mixer. Do not remix or add water after the mixing process, this will alter the strengths and effect the products overall performance.

### APPLICATION

Pour the water in the correct proportion into a suitable mixing container. While stirring slowly, add the powder to the water and mix thoroughly for 5 minutes to the required consistency. Apply the Panel Adhesive into the prepared substrate between the minimum and maximum layer thickness using a suitable steel or wooden float, taking care to avoid air entrapment. Priming is not normally required with this product unless the substrate is highly porous and there is excessive suction.

Multi-layer applications, it is important to ensure each layer is keyed and stable prior to the application of subsequent layers. Finishing should be done to the required surface texture as soon as mortar has started to stiffen.

### CURING

- Avoid application in direct sun and/or strong wind and/or rain
- Avoid the inclusion of entrapped air pockets during application
- Do not add additional water to the surface when finishing
- DO NOT EXPOSE PRODUCT TO FROST

### QUALITY

Compressive Strength: >10 MPa  
Chloride ion Content: <0.05 %  
Adhesive Bond: >0.8 MPa  
Reaction to fire: A1

ISO 9001:2015  
FM 33290

## FOR FURTHER INFORMATION CONSULT OUR TECHNICAL DEPARTMENT

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice.

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