



## Installation Guidelines (Adhesive System) for Kalingastone Engineered Quartz in Wall Cladding

Standard Size of Kalingastone Engineered Quartz	Thickness	Recommended Sizes of Kalingastone Engineered Quartz
3150 mm x 1450 mm	20 mm	1575 mm x 1450 mm (5'2" x 4'9") approx.
(10'4" x 4'9") approx.	20 mm	1050 mm x 725 mm (3'5" x 2'4") approx.
	20 mm	787 mm x 725 mm (2'7" x 2'4") approx.
	15 mm	1050 mm x 725 mm (3'5" x 2'4") approx.
	15 mm	787 mm x 725 mm (2'7" x 2'4") approx.

### Various Adhesive Co's Grade for Engineered Quartz in Wall Cladding (For Cement-Sand Plaster / RCC surface)

1	Kalingastone Engineered Quartz - <b>For Interior-</b> for Wall Cladding	(A) KeraKoll : <b>For Interior</b> : H40 No Limits White & To add 50% Top Latex and 50% water for mixing H40 No Limits for big format stones	(B) Ardex Endura : <b>For Interior</b> : Under Tile & Stone Primer + Ardiflex S1 or Platinum Star Plus White	(C) Mapei : <b>For Interior</b> : Keralastic T (PU BASED ADHESIVE WITH 100% Bonding)	(D) MYK Laticrete : <b>For Interior</b> : PUA 212	(E) Saint-Gobain Weber : <b>For Interior -</b> Weberfix Drywall
2	Kalingastone Engineered Quartz - for external use for Wall Cladding	(A) KeraKoll : <b>For External Area</b> : Superflex Ec o	(B) Ardex Endura : <b>External Area</b> : Under Tile & Stone Primer + Ardiflex S1 or Platinum Star Plus White	(C) Mapei : <b>For Exterior</b> : Keralastic T (PU based adhesive with 100% bonding)	(D) MYK Laticrete : <b>For External Area</b> : PUA 212	(E) Saint-Gobain Weber : <b>For Exterior -</b> Weberfix Drywall

PS : \*Adhesive for surface of Marine Plywood / Bison Panel etc.[\*Keralastic T of Mapei / Superflex of KeraKoll / PUA 212 of MYK Laticrete / Flex of Ardex Endura / Weber.Fix Dry Wall of Saint-Gobain Weber]

## **Adhesive System for Kalingastone Engineered Quartz Wall Cladding :**

- It is advisable not to stack Engineered Quartz slabs under direct Sunlight. The Engineered Quartz slabs should be stacked in covered shed only.
- It is advisable to inspect the shade, color, design etc. by removing the plastic surface protection sheet from Engineered Quartz slab and check the shade before you start cutting.
- We recommend using water liberally while cutting to avoid burning and chipping of Engineered Quartz slabs.
- It is advisable to clean the sides of Engineered Quartz slab with a polish paper just before laying as it will remove dust and smoothen the sides for a better installation.
- All cementitious surfaces shall be allowed to adequately cure and dry properly as per standard practice. All surfaces shall be plumb in line, free from defects / undulations. Installation shall be made on a dry surface.
- It is advisable not to lay Engineered Quartz slab with cement. Use only prescribed adhesives i.e. Type 2 Adhesive conforming to IS 15477 : 2004 of Indian Standard / C2TES1 conforming to EN 12002 standard (The details of duly recommended adhesives of various suppliers is attached herewith).
- For adhesive paste preparation, add Adhesive powder to clean water. Mix thoroughly until a lump-free mortar is obtained using stirrer mixer. A 50 kg bag will require approx. 11.25 – 12 litres of water in the ratio of 1 : 4.4 (water : powder). No further water should be added to obtain a slump-free consistency. The adhesive paste is immediately ready-for-use and has a pot life of 3 hours while lying inside bucket after mixing. Consumption of material will be approx. 1.2 kg / Sqm / mm.
- Make sure not to keep excess water in the adhesive paste, because too much water in the adhesive will weaken bond of Engineered Quartz with sub-base.
- Comb the adhesive paste to the required depth using 12 mm square notched trowel to maintain the specified bed thickness up to 5 – 6 mm. Simultaneously apply a thin layer of adhesive paste on back of Engineered Quartz slab ensuring better bonding.
- Make sure not to spread more adhesive than that needed to lay Engineered Quartz within a 15 minutes period. Engineered Quartz slab can be adjusted up to 25 minutes after fixing.
- Kalingastone Engineered Quartz slab shall be installed with slight twisting action, making sure that complete bonding (100 % bonding) is achieved.
- We recommend to use a rubber hammer only to press the Engineered Quartz stone ensuring that there is left no hollowness beneath quartz stone being laid.

- Immediately remove any excess adhesive paste coming out through the joints with a damp cloth or sponge before it starts to set.
- The joints in between the quartz stone pieces should not be filled immediately on its installation and instead should be left open for a minimum of 3 - 4 days to allow excess moisture to evaporate.
- Preferably after four days, the joints will be properly cleaned once again before grouting.
- White cement or white cement based grouts should not be filled in the joints. Only epoxy should be filled.
- The joints will be filled with Resin T 8 of Tenax / Equivalent by adding quartz powder of particular variety (i.e. a uniform paste of transparent resin of T8 + quartz powder will be initially prepared and thereafter hardener will be added to said paste in parts). The excess epoxy lying on the joints should be cleaned immediately.
- Lamination film should be removed from surface of Engineered Quartz, the very next day of installation.
- It must be ensured that POP must not come in direct contact with Engineered Quartz during / post installation.
- When installing the Engineered Quartz at height of more than 20', suitable clamps shall be used along with adhesive as per safety norms.
- Maintain 10 mm wide joint horizontally at every 10' height and shall be filled with Silicone Sealant / suitable flexible sealant.
- Use two component flexible adhesive\* for surfaces of Marine Plywood / Bison Panel etc.
- Avoid using Araldite / Cementitious adhesive for installation of Engineered Quartz on Plywood / Bison Panel surface.
- Engineered Quartz can not be re-polished. Only edges of Quartz slabs should be polished to get desired finish.
- For care and maintenance, it is advisable to use only a neutral pH cleaner (pH=7). Kindly ensure that any acidic / alkaline cleaner should not be used on quartz surface.