Installation Guidelines for Kalingastone Engineered Quartz Kitchen Counter Top / Table Top

1. **Kalingastone Engineered Quartz slab should be cut only after you inspect the shade, color, design etc. Please remove the plastic surface protection sheet from the slab and check the shade before you start cutting. Water should be used liberally while cutting to avoid burning and chipping of the Quartz Stone slabs, which should be stored in covered shed only. After unloading, the slabs should be stacked pattern wise at site / workshop.**

2. **Based on client's order, the slab is to be placed on three equidistant supports to cut the slab in desired size.**

3. **For shimming of Quartz Stone fascia, strips of 2" – 3" width are cut and sand-witched using a glue (resin + hardener + desired pigment) and uniformly pressed with a series of clamps at 3"- 4". Instead, it is advisable to use Akemi's color bond to get uniform seamless joint. The clamps should be removed after 24 hrs. of air curing of glue. The edges of Quartz Stone may now be champhered to give desired shape and finish by polishing with Diamond Polishing Pads.**

4. **These cut to size pieces of Kalingastone Engineered Quartz having polished edges and desired fascia are ready for on-site fabrication of kitchen countertop over a pre-fixed readymade wooden kitchen cabinet comprising its components viz wardrobe monolithic with kitchentop / tabletop having both ends free already fixed in position.**

5. **Now the carpenter fixes wooden strips of 3" width on periphery of a particular unit by using suitable screws only.**

6. **The particular piece of Kalingastone Engineered Quartz is just temporarily placed with unfinished, underside facing up, over these duly screwed wooden strips.**

7. **Now position the sink upside down. With a pencil or fine tipped marker, trace the outer rim of the sink to the underside of the countertop.**

8. **After making cutouts using core bits and Quartz Stone cutting CD blades, the Quartz Stone pieces will be glued over wooden strips using suitable metal paste.**

9. **There shall be a provision of a gap of 8 – 10 mm along walls and suitable Silicone Sealant of Dow Corning / Akemi will be filled to accommodate thermal expansion of the product.**

10. **Now any gap left in between kitchen cabinet and bottom of Kalingastone Engineered Quartz will be filled with Silicone Sealant.**

11. **It is advisable to do installation with a prescribed adhesive only. In case Kalingastone Engineered Quartz slab is going to rest over Cuddapah Stone / Marble / Granite surface, it is advisable to use Mapei's Keralastic T (a PU based adhesive) / Equivalent as a bonding agent. Ardex Endura's (Diamond Star White adhesive + Admix AD -1) / Ardiflex S – 1 also recommended with prior application of Undertile Primer as an alternate.**

12. **For Ply Wood / Bison Panel substrate – Flex Adhesive of Ardex Endura / Equivalent should be used.**

13. **The adhesive paste should be removed up to 5 mm depth from joints and later Silicone Sealant / Epoxy should be filled for prevention from water / moisture ingress.**

14. **Quartz Stone can not be repolished. Only edges of Kalingastone Engineered Quartz should be polished to get desired finish.**

15. **We should avoid keeping hot vessels directly on Kalingastone Engineered Quartz kitchen top. Instead one should use steel coaster.**

16. **Don't allow POP to come in direct contact with Kalingastone Engineered Quartz.**

17. **One should avoid using any acidic or alkaline cleaner on Quartz Stone surface. Use 'cif' Cleaning Cream for stubborn stains on Kalingastone Engineered Quartz Kitchentop.**

18. **Lamination film should be removed from surface of Kalingastone Engineered Quartz the very next day of installation of kitchen countertop or backsplash (Wall Cladding).**

19. **Regarding installation of Kalingastone Engineered Quartz in Back Splash Ardex Endura's (Diamond Star White adhesive + Admix AD -1) / Ardiflex S – 1 also recommended with prior application of Undertile Primer for cement plaster surfaces. Stones shall be installed with the open time of the adhesive with twisting action to achieve 100% bonding. Leave min 2-3 mm wide joints and use Epoxy grouts to fill them.Use Epoxy (Resin & Hardener) in the joints of stone to stone.**