

Specification/ Method Statement for the application of Alltek to Aerated Concrete / Hollow Core Concrete / Pre Cast Concrete & Insitu Poured Concrete

Concrete is one of the ideal type of surfaces for Alltek material s to be applied to. Any protrusions, remaining nails etc have to be cleaned off before starting application. - Material consumption should be around two (2) kilo per m2 for the first coat and 1kg for the second. No primer or bonding agents are required. We suggest the following sequence of work.

1. Check that surface are free from protrusions, nibs, fins, nails etc. - Use a carborandum stone if necessary to clean surface. Angle grind back any rough areas and repair any larger damages, holes etc using Alltek Blue Lissage or Alltek Dry Fill joint filler.
2. Fill spray-unit with Alltek Violet fine 200 WR for a self finished textured effect or smooth finish on Walls and Ceilings. For rough areas use Alltek Blue lissage as a base coat levelling compound.
3. For V-Joints and larger damages etc, use Joint Filler mixed with water and fill to a level surface. – Alltek Joint Filler is a dry-powder pre mix which after the addition of water, will set hard in approx 1 hours time. Fill all joints between concrete panels (walls & ceilings) - level out using the spatula at a 90 degree angle to achieve a **level surface**, do not try to make smooth. Leave to dry well.
4. Spray first "full coat", do not spray more than you can level prior to the material drying out to be difficult to handle. - For a longer open time, add some extra water to the material in the hopper of the spray-unit. Optimum working is a two man team, the spatula-man following just behind the spraying-man. The first coat you apply is scraped of fairly hard so that you can almost see the concrete showing through the material when the material is still wet, - this will become white when dry. - This first coat is designed to fill blow-holes and to level the surface in preparation for the final coat. - If the final coat is to be "a textured finish" we leave a little more material on the surface from the first coat to ensure a uniform final white colour. If a smooth finish is required this process is repeated.
5. Spray final coat, if the ceilings are to be left "textured" the speed of the machine and the air-supply is adjusted to obtain the correct texture (light Or heavy). - A smaller nozzle is used to create fine textured effects. – The Sprayer keeps an even distance of around 100 cm from the surface and moves the gun rapidly in a circular motion to obtain an even texture. - Making two passes across the room for an even result. - Follow by spraying the walls in the same manner. To achieve a smooth finish, use the spatula to level from the ceiling corner and down. – To avoid having any spatula marks from the spatula work at "eye-height" always pull from ceiling down to approx 100 cm from floor and then return and level from the floor up.
6. Finally, use a thick corner-brush attached to a piece of wood to clean-fill the corner/angel between wall and ceiling. Or use a suitable corner trowel.
7. Leave to dry, before painting, sand lightly places where any ridges have been left by the application and fill in any remaining minor imperfections.
8. If a very smooth finish for walls/ceilings is required (similar to steel-trowelled gypsum plaster) then we would suggest to change the final coat from Alltek Violet to Alltek Orange = Superfine.
9. **Important Note**. Alltek is a water based polymer bound material which, similar to an emulsion paint, needs a minimum temperature of +5 degrees Centigrade in order to obtain its full binding power and hardness. - Please check Air and Concrete surface temperature for above prior to commencing application.

