

## Alltek Applications to Block Work Walls

Alltek Blue Lissage is the best material for Application on to a Block Wall Surface. The Wall needs to be built true and straight. The pointing between the Blocks should ideally be flush with the surface of the block. Any cables or Electric boxes should be recessed into the wall and protrude no more than 1mm from the surface of the block. If the cables and boxes are sitting on the surface, i.e. as for a 13-20mm render coat, then two options become available. 1) Dot & Dab with plasterboard and finish as per the Alltek Plasterboard specification. 2) Render the wall with a bonding plaster prior to the Application of Alltek.

At right angled corners, window reveals and internal angles etc a metal Thin Joint Bead should be fixed and secured with fixings and filled out with a suitable mortar / filler. At expansion joints Thin Joint Stop beads should be fixed either side of the joint and bedded in with a suitable filler/mortar.

Preparation prior to application would be to check that beads are secure and mortar/filler is dry, any rough/raised areas of mortar on the surface of the blocks is removed with a scraper, any large imperfections in the wall have been rectified.

Apply the first coat of Alltek Blue Lissage to a depth of 3-4mm and level smooth using a spatula or straight edge. Start levelling off from the ceiling down to about 300mm from the floor and then work from the floor up taking out any trowel marks, work left to right across the wall, in the corners use a corner trowel to achieve a smooth angle and then work the material away from the corner to achieve a smooth finish.

Alltek is normally dry in 24hrs, once it is dry either a second coat of Alltek Blue Lissage can be applied depending upon the depth of material required or Alltek Red / Alltek Orange or Alltek Violet can be applied as a finishing coat ready for final decoration.

Above door openings bed a Fibre Glass matting (160grm) into the first coat of Blue Lissage to give added strength over Lintels etc.

Where a Dry Lined ceiling is being installed, after the application of Blue Lissage (one or two coats) apply a paper tape to the internal angles where the wall meets the ceiling and fix with a suitable joint filler to 3A - EN 13963 standards. Refer to Plasterboard Specification for finishing on to Plasterboard and other composite boards.

Total thickness with one coat of Blue and one coat of Red/Orange/Violet will be 4-5mm, for two coats of Blue and one Red/Orange/Violet it will be 5-6mm, for two coats of Blue Lissage and two coats of Red/Orange/Violet it will be 7-9mm. All material removed in



the levelling process is re worked through the machine so there is very little material waste.

## **Sports Halls and Areas that require a Hard Finish to Protect from possible Damage / Abuse**

Apply Angle Beads and prepare tape and jointing as previous detail, bed in a Suitable Glass Fibre Matting over all joints to strengthen and Apply Alltek Blue Lissage as the base coat. Once dry apply the finishing coat of Alltek Violet and Portland Cement. Alltek VIOLET mixed 4 parts Alltek (25kg) to 1 part OPC (6kg) plus some water to consistency. - This can be mixed separately or in the spray-unit hopper using a power mixer. Apply to Surface and level flat with Spatulas taking care to remove any trowel lines ready for final decoration. We recommend the weight for the matting to be 160 – 180g.

NB. The Spray machine will need to be cleaned of any mixed material at the end of the working day and thoroughly cleaned with water to prevent hardening of material in the Hose.

## **Old Plastered & Painted Block Work Walls And Flood Damaged Walls**

Remove any traces of built up paint with a scraper, repair any cracks with scrim tape and Alltek Joint Filler and fill any holes using Alltek General Purpose Filler. When dry apply Alltek Blue Lissage in the same way as for a new Block Work wall.

In the event of flood damaged walls remove the old plaster back to the block work and remove as much of the old mortar / plaster as possible. And allow drying out so the moisture level/Humidity is no more than 20% on the surface of the block. If particles of salt have formed on the Blocks, brush away prior to the application of Alltek.

Mix 25% Portland cement (6kg) and 1ltr of bonding agent for each 25kg bag of Alltek Blue Lissage to be used. Stir thoroughly and apply to the area to be repaired

as detailed in Applications to New Block Work Walls. Alltek Blue Lissage can be applied up to thickness of 8 – 10mm and levelled off ready for the finishing coat of Alltek Red or Orange. The Portland cement will ensure the material is hard and dry in 24hrs. We would suggest the surface of the Alltek Blue Lissage is checked for moisture prior to applying the finishing coats, again if it reads below 20% work can continue. Once the final coat is applied and dry, lightly sand and paint.

