Guidelines

Flexible Acrylic Membrane

When using Nutech Flexible Acrylic Membrane, particular attention to application details needs to be taken.

Flexible Acrylic Membrane is significantly different to all other Nutech roof coatings, most noticeably in its composition and appearance. It is much thicker than other acrylic roof coatings, dries to an opaque-clear or solid colour, and its chemistry is designed more as a blanket sealer, lateral adhesion film rather than as a direct adhesion film. Because of this it is recommended as the primer in almost all rectification situations where direct adhesion may already have been comprised.

The thickness/viscosity or Flexible Acrylic Membrane, so necessary for its performance, is also its biggest achilles heel. Firstly, low-powered or electric spray units may have some difficulty pumping it. The addition of water to the product can resolve this but this is not recommended and will diminish the effectiveness of the Membrane significantly. Secondly, because it is so thick, care has to be taken with application, and a theoretical coverage rate of 5 square metres per litre should be followed wherever possible. Having said this, care must also be taken to avoid product build up along the sides of the channels and also against the nose of the tile above. Excess or exceedingly high builds of Flexible Acrylic Membrane cure very slowly particularly in low temperatures, therefore retaining moisture longer and becoming a potential case for peeling or blistering of any subsequent coats.

In fact dry time of this unique product is difficult to judge at the best of times: a minimum of 24 hours in the best conditions, right through to 5-6 days if the weather turns cold or wet. Again it is the thickness of the coating that causes the greatest water retention requiring greater evaporation (curing) time.

One very important climatic condition to note strongly is overnight condensation! Flexible Acrylic Membrane will absorb dew right up until it is fully cured, changing from its dry clear opacity back to a milky white opacity similar to how it was when first applied. With heat this milkiness will bake out of the coating and return it to the clear finish required for overcoating. The time required for this will lessen each day as the coating approaches 100% cure, but as mentioned earlier it may take up to a week before it is unaffected by moisture at all.

In short, be patient! If the Flexible Acrylic Membrane is white or milky it is inadequately cured, and blistering or other adhesion problems will result from overcoating.

Premature top coating with Nuflex or Tileflex 2000 will only retard curing of the Membrane allowing greater opportunity for water damage. In this situation bubbling and blistering can result.