



TENSIOCOAT TQ – hybrid silane paint system

PRODUCT COMPARISON




Tensiocoat TQ, is a water-based, micro-porous, hybrid silane paint system with a mineral character and was developed by Rewah nv in Belgium to service a growing demand in the paint market, where there was a requirement for a so-called “humidity regulating” paint.




This meant that the paint not only had to protect the facades/interior surfaces, specifically masonry and brickwork from the penetration of rainwater, but also must be able to allow the same façade the natural process of water dampness diffusion, from the inside through the façade to the outside. This included the diffusion from the presence of water through accidental means of a broken pipe, faulty design or sealing etc.

With all the paint systems currently available this was virtually impossible to achieve.




For instance if a Silicate paint was considered to have high water damp open properties if was not waterproof. Similarly a good waterproof acrylic had bad water damp open properties. Silicone paint was the first technology to provide some of these properties but it did not have the water damp open characteristics of a Silicate or hybrid silane.

The final formulation of the Rewah hybrid silane paint system -Tensiocoat TQ was found to also have some additional properties that have made the product very unique. These include the following –

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- transmission of normal levels of efflorescence salts from the substrate, without damaging the integrity of the paint film.
 - the dry paint film did not support combustion.
 - the self-cleaning properties (wettability angle) improved with exposure to UV.
 - the raw materials used in the product manufacture do not allow the penetrative growth of algae and fungus.

From an application perspective the Tensiocoat system does not need a primer to be applied on normal sound masonry substrates, just the application of 2 top coats which can be applied to a damp surface.

Unlike silicate paints it can be applied over the top of a large range of other paint types.



Please read this information in conjunction with the Rewah Tensiocoat TQ – Technical Data Sheet and also the Product Comparison chart. Test reports confirming the above product characteristics and properties, plus actual independent product comparisons are available through regional Distributors. Substantial warranty periods and guarantees against product failure are provided according to the project and substrate condition.

European and Asian product references are available on request.
