



Resene Paints Limited

# Architects Memo

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## RESENE ANNOUNCE NEW WATERPROOFING MEMBRANE RESENE X200 ACRYLIC WATERPROOFING MEMBRANE

Resene Paints are proud to announce the commercial availability of Resene X200 which will occupy pride of place in Resene's range of waterproofing products. The unique versatility of this product is such that it will replace the Resinac system, Concrete Block Sealer and Masonry Filler, from the existing range.

Development of this product started several years ago in an effort to replace the bitumen-based Resinac system. Although bitumens have long excelled at waterproofing, adhesion of subsequent colour coats have always been suspect. Within the course of the development programme, elastomeric polymers were evaluated and test marketed in specific areas. The results gained, however, indicated that whilst the elastomeric polymers appear superficially attractive because of their great extensibility, their poor weathering and dirt retention properties were considered sufficient drawbacks to prevent the full commercialisation of this type of technology. Consideration of the elastomeric requirements led us to subscribe to the argument that no coating can stretch over a propagating crack since this would require finite extension between 2 points which were infinitely close.

There is however, a definite need for a coating to be able to follow the cyclical expansion and contraction of existing cracks and joints. We considered that an expansion of between 100 and 200% would be ample to cope with what will be met in the field. (This represents a 1 mm crack opening to between 2 and 3 mm). Maintaining expansions down to this level allows optimisation of weather and dirt resistance.

We therefore ranked the properties required in the coating as follows:

- 1) It would require to be based on a highly water resistant vehicle
- 2) It should develop maximum adhesion to cementitious substrates.
- 3) It should be able to achieve maximum film build with a variety of application methods.
- 4) It should have inherent durability characteristics such that the aesthetic appearance of the coating matches its waterproofing performance.
- 5) It should be able to stretch up to 200% above its original length.

The above parameters have been incorporated into Resene X200 to the extent that Resene Paints Limited are prepared to guarantee for 10 years, the weathering and waterproofing characteristics of the product.

We consider the major advance with this product, to be the fact that most surfaces will be able to be waterproofed and weatherproofed with a 2 coat system. Application costs therefore are similar to any 2 coats of conventional paint, combined with the benefits of multi coat high build systems.

Full technical and application data is available in Resene Data Sheet D62.

Pastel colours are available in any quantity of Resene X200 and any colour from the British Standard 2660 or 5252 is available at a minimum order size of 200 litres. This equates to surface area of 600 square metres. Selected buildings around the country have been coated in this new product and could be available for inspection if desired.

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