

PRODUCT INFORMATION

EMULSION ADM80-1

Page 1 of 2

Manufacturer's code: RPADM

Updated: 01/01/2008

Product Name: EMULSION ADM80-1

Description: EMULSION ADM80-1 is a solvent-free (no VOC) silane/siloxane emulsion. The product is designed as a water-repellent admixture for highly-filled external textured coatings. The silane/siloxane reacts with the fillers or aggregates within the textured coating film providing a permanent water repellent effect to the coating film.

Recommended Uses: Exterior textured coatings are popular due to their architecturally-appealing nature. Such coatings are unfortunately very permeable to water. This water permeability is a result of their high **Pigment Volume Concentration** (usually in the range of 60-80 PVC). As a consequence, these coatings show relatively poor weathering resistance. The ingress of water through the coating causes discolouration, efflorescence and general degeneration of the coating.

Exterior textured coatings can be made water repellent by the inclusion of EMULSION ADM80-1.

EMULSION ADM80-1 is added at a concentration of 0.25-1% by weight to the coating during the final in-plant mixing stage. The resultant coating exhibits excellent surface beading (as shown in figure 1). The coating film has very low water absorption. The water resistance is developed very quickly, preventing wash-down due to rain or dew contacting the coating before cure. The water absorption through the coating is reduced by up to 95%.

As coating formulations vary, it is always recommended that a test be carried out prior to application to find the suitability of this product for the purpose.

Figure 1. Excellent beading effect of coating film



Standard Textured Coating:
The water droplet is absorbed through the coating



Textured Coating with ADM80-1:
It shows excellent beading effect of water droplet

Use Instructions: EMULSION ADM80-1 is easy to use. The following instructions should be followed when using EMULSION ADM80-1:

Stir EMULSION ADM80-1 before use.

Add the correct amount (0.25 - 1% by weight) during the final blending of the coating. Blend thoroughly to ensure even dispersion.

The product is water-based and all equipment can be cleaned with water.

Typical Data:	Appearance:	Milky white liquid with slight odour
	Solids content:	50% by weight
	Specific Gravity:	1.0 gm/ml
	pH value:	7-8
	Solubility in water:	Nil
	Flash point:	>100°C

Important Note: As products and the conditions of use vary, it is always recommended that a pilot trial should be carried out prior to using EMULSION ADM80-1 to determine the suitability of this product for the purpose.

Handling & Storage: EMULSION ADM80-1 is classified as a non-hazardous material according to the criteria of Worksafe Australia. However, as with all chemical products, good industrial hygiene procedures should be followed when using this product.

The product should be stored in closed containers in a cool dry place away from any fire sources.

The product has a shelf life of 12 months in a sealed container stored at a temperature below 25°C.

Packaging: EMULSION ADM80-1 is available in 20 and 200 litre plastic drums or 1,000 litre plastic bulky bin. Other size containers may be available on request.

Disclaimer:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge. As the storage, handling and application of this material is beyond our control; we can only be responsible for the quality of our product at the time of dispatch. We reserve the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. It is the responsibility of the end user to determine the suitability of this material for any particular application.