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Product Data Sheet PDS009: Armourcoat Aquawax

1 Product description

Armourcoat Aquawax is an anionically stabilized, aqueous dispersion of various waxes and additives. This product is suitable for coating porous surfaces where it will impart water resistant and stain resistant properties.

2 Properties

- enhances both the decorative and physical properties of porous products
- quick and easy to apply and economically priced
- water based product with low VOC emissions and low odour
- supplied ready for use on site
- imparts good water resistance and imparts improved stain resistance
- easy to clean

3 Test data

3.1 Mold/Mildew Resistance

Armourcoat P01 Polished Plaster samples both with and without Armourcoat Aquawax were tested for stain resistance according to ASTM D1308 "Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes". Test carried out according to 15 minute open spot test.

Test Liquid	Armourcoat P01 Polished Plaster	Armourcoat P01 Polished Plaster coated with Armourcoat Aquawax
Coffee	2	4
Red Wine	1	2
Vinegar	3	3
Tomato Sauce	3	3
Mustard	3	4
Strawberry Preserve	4	4

*Rating system - 1 = poor, 5 = Excellent

3.2 VOC testing

A sample of Armourcoat Aquawax was tested for VOC by an accredited American testing laboratory following procedures outlined in ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings. A second sample of Aquawax was tested for VOC content by an accredited European laboratory following procedures outlined in ISO 11890-2 "Paints and varnishes. Determination of volatile organic compound (VOC) content".

Test Method	VOC (grams/litre)	VOC (Lbs/Gal)
ASTM D3960	40	0.34
ISO 11890-2	<1	

4 Health and Safety

Armourcoat Aquawax is water based, non combustible and has low VOC emissions. It is non hazardous but in keeping with good working practices avoid prolonged skin contact. For further details refer to Armourcoat's Aquawax Material Safety Data Sheet.

5 Suitable substrates

Armourcoat Aquawax can be applied over all Armourcoat Polished Plaster finishes where vapour permeability is not a requirement. For areas requiring a high gloss finish Armourcoat White Wax or Armourcoat EcoWax may be more suitable.

6 Applying Armourcoat Aquawax

- make sure that the Armourcoat Polished Plaster has been allowed to dry for a minimum of 24 hours
- liberally apply a first coat of Armourcoat Aquawax using a cloth, sponge or roller. Wipe off any drips or runs
- within a few minutes using a cloth moistened with a little wax in one hand and a dry cloth in the other, first wipe the damp cloth onto around ¼ m² at a time to remove the swirl marks and then polish with the dry cloth. Dark patches will disappear as the wax dries.
- leave the Armourcoat Aquawax to dry for 1 - 2 hours and buff with a mechanical buffer to enhance the surface shine.

7 Coverage rates

Armourcoat Aquawax coverage rates for various finishes are as follows:

Smooth Finishes (Spatulata, Smooth, Cloudy, Armuralia etc.)

Coverage rate approximately 27m²/lt

Pitted and Dragged

Coverage rate approximately 12m²/lt

Travertine

Coverage rate approximately 8m²/lt

8 Storage

Store in dry conditions between 5° – 25°C. Protect from frost. Protect from sunlight and sources of direct heat. Keep container sealed when not in use. Shelf life of Armourcoat Aquawax in unopened container under correct storage conditions is 12 months from date of manufacture.

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