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Armourcoat Ltd
 Morewood Close Sevenoaks Kent TN13 2HU
 T: +44(0)1732 460 668 F: +44(0)1732 450 930
 UK Company 1997888. VAT Reg: 445788013
 www.armourcoat.com

Product Data Sheet PDS032: Tactite

1 Product description

Tactite is a water-based, semi-translucent decorative wall coating which features a 'soft touch' feel to create a warm inviting interior with a suede or textured finish.

2 Properties

- a cost effective alternative to decorative paint effects, wall paper and vinyl wall coverings
- provides a seamless, durable, cleanable, hardwearing and low maintenance wall finish
- available in a range of 36 colours with a 'soft touch' suede effect
- formulated to prevent mould, mildew and bacterial growth
- low VOCs and low odour
- coverage rate: 16 - 20 m²/litre/coat depending on substrate. One 5 litre unit will cover approximately 40m² (400ft²) in 2 coats
- drying times: 4 - 8 hours

3 Test data

3.1 Scrub resistance

The Tactite system (BaseColor Satin, Tactite) was tested for wet scrub resistance according to ASTM D2486 and ISO 2812.

Test Method	Result	Comment
ASTM D2486	1150 cycles	1925 cycles
ISO2812	Class 2	Classed as washable

Testing was carried out by an accredited testing laboratory.

3.2 Stain resistance

The Tactite system (BaseColor Satin TTBP, Tactite TT) was 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. **1 = Poor 5 = Excellent**

Test Liquid	Tactite
Coffee	4
Red wine	4
Vinegar	5
Tomato sauce	5
Mustard	3

Strawberry Preserve	5
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3.3 VOC Testing

A sample of Tactite was tested for VOC following procedures outlined in ASTM D3960 "Standard Practise for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings" and ISO 11890-2 "Paints and varnishes. Determination of volatile organic compound (VOC) content."

Test Method	Result	Comments
ASTM D3960	67g/lt	US EPA requirement (<250g/lt)
ISO 11890-2	<10g/lt	EU limit for this product (Cat A/I): 150g/l (2007) / 100g/l (2010)

3.4 Anti-Microbial preservation

3.4.1 Mold/Mildew resistance

Samples were tested in accordance with;

ASTM D 3273 – "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber".

ASTM D 3274 – "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".

Coating	Finish	Post Treatment	Front of panel	Back of panel
Tactite	-	-	10-10-10	10-10-10

*Rating system – 1 is very poor, 10 is no growth

Testing was carried out by an Accredited American testing laboratory.

3.4.2 Fungal, Algal and Bacterial Evaluation

Test Method	Result
Anti-fungal activity	No visible growth
Anti-algal activity	No visible growth
Anti-bacterial JIS Z 2801	
E-Coli	No bacteria survived
MRSA	No bacteria survived
Salmonella	No bacteria survived

3.5 Fire Test Results

Test Method	Result	Comments
ASTM E84	Class A	Tactite system tested (BaseColor Satin TTBP 2 coats, Tactite TT 2 coats)

3.6 Formaldehyde emissions

A sample of Tactite was tested for emission of formaldehyde according to JIS A 1901: 2003 "Determination of the emission of volatile

organic compounds and aldehydes for building products - Small chamber method".

The preparation of test specimens and samplings were carried out according to JIS A 1902-3:

2006 "Determination of the emission of volatile organic compounds and aldehydes for building products - Sampling, preparation of test specimen and testing condition - Part 3: Paints and coating material".

Duplicate air samples were collected at each sampling day.

Sample	Formaldehyde after 7 days		
	Conc $\mu\text{g}/\text{m}^3$	Emissions Rate $\mu\text{g}/\text{m}^2/\text{h}$	Mean Value Emission Rate $\mu\text{g}/\text{m}^2/\text{h}$
Tactite	7	2	1
Tactite	4	1	

Classification (Building Standards Law): Less than 5 $\mu\text{g}/\text{m}^2\text{h}$ means that Perlata achieves F☆☆☆☆ (JIS symbols), meaning there is no area limit of building materials.

Testing was carried out by an Accredited Testing Laboratory.

4 Limitations

For interior use only.

5 Preparation

5.1 New surfaces

- ensure all surfaces are sound, clean and suitably dry
- dense or highly polished surfaces should be coated with an appropriate primer to promote effective adhesion
- freshly plastered surfaces should be coated with a suitable sealer/consolidator eg. Dulux Plaster Sealer
- porous surfaces should be primed with a mist coat of BaseColor Matt thinned with up to 20% clean water
- leave to dry

5.2 Previously decorated surfaces

- ensure all surfaces are sound, clean and suitably dry
- remove any loose or flaking material back to a sound firm edge
- treat any organic growth with a fungicidal wash
- fill any holes, cracks or surface defects
- surfaces that exhibit high sheen levels should be wet abraded to provide a key
- wash down sound paintwork with warm water and an appropriate cleaning agent to remove any contaminants
- rinse surfaces with clean water to remove any residues
- spot prime any bare or filled areas with a mist coat of BaseColor Matt or an appropriate primer as necessary
- leave to dry

6 Application instructions

- apply two coats of pigmented BaseColor Satin using a short pile roller. Allow to dry for a minimum of 4-8 hours in between each coat and 4-8 hours before the first coat of Tactite.
- apply the first coat of Tactite to the surface with a short pile roller or 4" Tactite patterning brush. Finish wall in random manner.
- allow to dry for 4-8 hours and then apply second coat using a 4" Tactite patterning brush. Finish wall with random irregular diagonal brush strokes.

- work from the top corner of the wall working progressively down and across the wall in a fan shape rather than in regular blocks. Work quickly to ensure that you retain a wet edge at all times.

7 Health and Safety

Tactite is a non-toxic water-based product. Ensure good ventilation during application and drying. Avoid contact with skin and eyes. Keep out of reach of children. Please refer to the Safety Data Sheet for further information.

8 Storage

Store in good 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 Tactite in an unopened container under correct storage condition is 24 months from date of manufacture.

9 Care and maintenance

9.1 Cleaning surface dirt and grime

Mix a small quantity of liquid detergent or soap into a bucket of clean water. Work from top to bottom of dirty area using a well-soaked soft cloth, sponge, very soft bristle brush or low pressure garden mist sprayer. Do not use scouring pads, industrial strength cleaners or solvents, since these may damage the surface finish.

Do not allow cleaning solution to dry on the wall. Where possible blot the wall dry with an absorbent towel or sponge. ArmourColor decorative coatings will be unaffected by mild detergents but may soften slightly with prolonged cleaning. It is recommended that a small area is test cleaned to check for a satisfactory result.

9.2 Damage and repairs

ArmourColor decorative coatings are tough and durable coatings, but can be damaged. In the event of damage please contact the installer for technical assistance and instructions.

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