

## Product Safety Data Sheet – Artbrick Acrylic Paint

Classification according to Regulation (EC) No 1272/2008

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### 1. CHARACTERISTICS

#### 1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product Range: Structherm Finishes

Data sheet applies to:

Artbrick Acrylic Paint

#### 1.2 MAIN CHARACTERISTICS

- High performing paint for acrylic copolymer-based, external wall surfaces in aqueous emulsion, quartz, inorganic pigments and micronized loads.
- The type of binder used gives the product excellent resistance to alkali and atmospheric agents.
- Its special formula gives the product excellent brush-ability and remarkable applicability and adhesion.
- High stability of the colours even on walls that are especially exposed to radiating light and to bad weather, thanks to the use of pigments solids under light and alkali.
- The coating contains special film preservatives that provide preventive protection against the formation of algae and fungi.

#### 1.3 INTENDED USE

- New, aged, homogeneous or fine textured surfaces.
- Concrete, mixed mortar, already coated or partly degraded surfaces.

#### 1.4 AVAILABLE COLOURS

Artbrick Acrylic Paint is available in white or in the colours proposed as part of the Artbrick colour collections: Traditional (280 Colours) and Bright (70 Colours).

The product can be developed in multiple colours with the tinting system.

#### 1.5 CLASSIFICATION (UNI 8681)

Paints for external mineral-based walls.

EU COV limit value for Artbrick Acrylic Paint (cat. A/c): 40 g/L (2010)

Artbrick Acrylic Paint contains 40g/L of COV at the most

Pursuant to Leg. Decree no. 161/06, the COV values displayed on the packages refer to the specified thinning and thinners and to the products tinted as per the formulation indicated by us.

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### 2. APPLICATION

#### 2.1 THINNING

Use water.

- First coat: 20-25% in volume
- Second coat: 10-15% in volume

#### 2.2 PRODUCT PREPARATION

Dilute the product as indicated and remix until you have a homogeneous mass

**2.3 TOOLS FOR APPLICATION**

- Brush
- Wool roller

**2.4 CLEANING THE TOOLS**

Use Water.

**2.5 APPLICATION CONDITIONS**

- Do not apply on walls exposed to direct sunlight or with ambient or basecoat temperatures that may drop below +5°C or rise above +35°C in the first 24 hours after its application; relative humidity cannot be above 80%.
- Do not apply any batch continuations on the same façade.
- Apply on homogeneous basecoats, complete the façade wall in one, uninterrupted coat, avoiding to apply a second coat when the layer has dried out; in the case of rather extended surfaces, take into account due interruptions near drainpipes or technical joints.
- After the coating has been applied, the surfaces must be protected against pouring rain for at least 48 hours.
- Store the product in the original packaging at a temperature between +5°C and +35°C.

**2.6 APPLICATION CONDITIONS**

The product completed its drying and polymerization processes in a span of 8 to 10 days in an ideal environmental condition (+5°C / +35°C; max. R.H. 85%)

If the product should be washed away by rainfall during this timeframe, unappealing dripping may surface, having a trans-lucid and sticky appearance. This phenomenon, which is temporary, does not affect product quality and can be easily eliminated by washing it with water or waiting for the next fall of rain.

**2.7 APPLICATION SYSTEM**

Preparation	Primer / Basecoat	Finish
<p>A render basecoat of the required colour is applied and allowed to set sufficiently to allow over coating with the render topcoat.</p> <p>The topcoat render of the required colour is applied over the basecoat and then allowed to set sufficiently so that it can be easily scraped away to reveal the basecoat, and the render system allowed to cure and dry.</p>	<p>Apply a coat of Artbrick Resin at a nominal rate of 0.2 to 0.4kgm<sup>2</sup> and wait approx. 1 hour until tack.</p> <p>Where necessary, a second coat of Artbrick Resin may be needed to hide any visibly remaining efflorescence.</p>	<p>Apply two (2) coats of Artbrick colour</p>

**2.8 SAFETY PRECAUTIONS**

- Information concerning safety for the user is available in the relative safety sheet.
- Empty containers or ones with slight traces of dried residue film must be disposed of as required by local regulations.
- Store the can tightly sealed and protected from freeze.

**3. TENDER ITEM**

Application of Artbrick Acrylic Paint elastomer-based paint for acrylic copolymer-based external wall surfaces in aqueous emulsion, quartz-based, inorganic pigments, micronized loads and special algae and fungi protection, to be applied in two coats with a consumption of about 0.25 L/m<sup>2</sup>. Suitable for application on fine textured plasters in concrete or mixed mortar, or the like, cement-based prefabricated elements or surfaces already treated with other paint, prepared beforehand, fixed with a uniform, consolidating fixative Structtherm primer.

**4. TECHNICAL SPECIFICATIONS**

TECHNICAL SPECIFICATIONS AND INFORMATION	MAIN DATA AT 20OC AND 60% OF RELATIVE HUMIDITY	METHOD
Appearance and finish	Matt	
Density	1.450 - 1.600 g/ml	UNI 8910
Brookfield Viscosity	15,000 - 20,000 cps	ASTM D 2196
Spreading rate per coat	6 - 10 m <sup>2</sup> /Lt	ISO 7254
Flash point	Not flammable	UNI 8909
Treatment with 4h UV/60o cycle, 4h condensation/40oC UV-B lamp, pre-treated cement-fibre support with Structherm primer	Preserves colour for 1200 hours of UV-condensation (as per ISO 7724). Resists chalking for 1200 of UV-condensation (as per ISO 4628/6)	ASTM G 53
Resistance to water diffusion SD (Film thickness: 170 dry micron)	0.05m Class I (high as per EN 1062-1)	ISO 7783-2
Water Vapour diffusion: WDD	>150 g/m <sup>2</sup> in 24hrs	ISO 7783-2
Shelf life	At least 24 months (in a cool and dry place)	UNI 10154
Hard dry	Max 24 h	
Dry to recoat	4 ÷ 8 h	

All of the technical data contained herein is based on our knowledge and experience, are indicative and are not a guarantee of results. The data and methods given in these technical specifications may be changed at any time based on changes in production technology. Application of the product is beyond our control and is therefore at the sole responsibility of the customer. The correct use of the materials requires compliance with the general instructions given on the page GENERAL CONSIDERATIONS in the PRODUCT INFORMATION SHEETS and especially what is indicated in this sheet, with particular attention to the preparation and suitability of the surface. Structherm Ltd can be contacted for any further information. THESE TECHNICAL SPECIFICATIONS DELETE AND REPLACE ANY PREVIOUS EDITIONS.