

Product Data Sheet – Artbrick Resin

Classification according to Regulation (EC) No 1272/2008

Artbrick Resin Material is a hard wearing, high solids blend of UV stable MMA polymers suspended in aromatic hydrocarbons.

Penetration, bonding and polymerisation results from solvent evaporation & atmospheric moisture.

A Colourless, non-yellowing, & UV stable single component, low viscosity product with fast cure enabling rapid installation and early re-use of facility.

Increased impact & abrasion resistance maintains, and arguably increases, performance life.

Its unique formulation make it easy to apply and achieve an even, uniform and seamless finish and reduces routine maintenance.

1. CHARACTERISTICS

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product Range: Structherm Finishes
 Data sheet applies to:
 Artbrick Resin

1.2 MAIN CHARACTERISTICS

- Single component – spreads easily, cures quickly for rapid re-use of facility
- Superior moisture resistance aids year round use
- Higher strength & good chemical resistance
- Helps reduce/stop stains & incorporates a UV filter
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost
- Reduces and eases routine maintenance
- Satisfies requirements of Local Agenda 21

2. TECHNICAL DATA

Coverage:	9–11.3m ² per litre per coat depending on surface porosity
Application Temperature:	min +5°C max +25°C
Cure Rate:	Light traffic 3 hours, full load 24 hours
UV Resistance:	Excellent
Flash Point:	45°C
Storage:	Under cover and protect from extremes of temperature
Shelf life:	18 months unopened
Packaging:	25 Litre UN Pails
Shipping specification:	Packaging group III, UN No. 1307, Class 3.3
Equipment cleaning:	Use Solvent cleaner in well ventilated area

3. PROPERTIES

Tensile Strength (MPa):	16.3
Elongation (%):	352
Specific Gravity (at 20°):	0.86 – 0.88
Resin Solids Content (%):	not exceeding 30%
Appearance:	Clear liquid, neutral in colour
UVa Stable:	Yes
Free Isocyanate Monomer:	N/A
Rate of Cured Firm Hardness (sward):	51 (24hrs), 64 (1 week) @ 20°
Viscosity (at 25°C mpa.s)	<20-50cPs
EEC Hazard Identification:	Xn Harmful, Xi Irritant
UN Number & Shipping Class:	1307 Resin Solution, Class 3

- As with all chemicals, care must be taken when handling and in use. In its uncured state this product can be considered a hazardous material. Once fully cured it can be considered innocuous.
- No smoking or naked lights as product is flammable and ensure area to be treated is well ventilated. If public access is allowed, erect NO SMOKING signs & site fire extinguishers.
- Wear appropriate protective clothing.
- A mask of recommended type is ESSENTIAL when working close to the surface (e.g when using paint brush) or working internally.
- **READ THE SAFETY DATA SHEETS BEFORE COMMENCING WORKS**