

## Product Data Sheet – Artbrick Resin

Classification according to Regulation (EC) No 1272/2008

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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
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### 2. TECHNICAL DATA

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

### 3. PROPERTIES

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