

**Technical Data Sheet**

Edition : 30/08/2016

VER : 01

AQUAKOTE 301

# AQUAKOTE 301 WHITE

## Single Component, Waterborne Modified Acrylic/Polyurethane Dispersion Based Coating For Exterior Wall Finish.

**Product Description**

AQUAKOTE 301 is a single component, white, waterborne acrylic/polyurethane resin based surface coating containing an organic in-film Preservative for exterior finish.

**Where to Use**

Coloured seal coating for external walls and ceilings.

For concrete, bricks, cement based and gypsum substrates, timber, tiles and plastic.

Suitable for pharma industry.  
Also suitable for food and beverage industry, hospitals, healthcare facilities, kitchens.

Maintenance layer on existing wall coatings.



**Characteristics/ Advantages**

Seamless, glossy, easy clean finish.  
Easy application.  
Fast drying, two coats in one working day.  
Elastomeric, resists cracking and flaking.  
Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions.  
Impact, scratch and abrasion resistance.  
Good covering and hiding power (opacity).  
Low odour.

**Appearance / Colours**

White, Liquid (Can be tinted to any colour)  
Single Component

**Packaging**

5 & 20 kgs.

**Storage Conditions / Shelf Life**

12 months from date of production if stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.

**Chemical Base**

Waterborne acrylic/polyurethane copolymer dispersion.

**Density**

1.39 g/cc



## Mechanical / Physical Properties

<b>Tensile Strength ( Mpa)</b>	~1.5	(According to ISO 527 -3)
<b>Elongation %</b>	>100%	(According to ISO 527 -3)
<b>Adhesion</b>	>1.5 MPa	(According to EN 1542)

## Application Details

**Consumption / Dosage** 7-8 square meters per kg, depending on the surface porosity.  
DFT ~ 100 – 110 micron (Two coats).

**Substrate Quality** The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, laitance, mould, grease, coatings and surface treatments, etc.  
Brick work, block work, stone work:  
Inspect the substrate. Spalling, flaking or damaged areas should be repaired using compatible materials to match surroundings or replace as necessary.  
If in doubt apply a test area first.

**Substrate Preparation** Substrates must be prepared mechanically using abrasive cleaning to remove cement laitance and achieve an open textured surface.  
Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.  
Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate Jemkon products.  
High spots can be removed by grinding.  
All dust & loose material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

**Substrate Temperature** 8 °C to 40°C.

**Mixing** Single Component. Stir the material to remove any settling.

**Application Process & Tools** Apply AQUAKOTE 301 onto the primed or putty substrate and spread evenly with Good quality sponge roller, brush or spray to obtain an even layer.

**Recommended Undercoats & overcoats**  
Primer : WALL PRIME 31  
Putty : ACRYLIC PUTTY  
Sealer : -  
Top coat : AQUAKOTE 201/ AQUAKOTE 301



---

**Cleaning of Tools**

Clean all tools and application equipment with water immediately after use.

---

**Potlife**

Temperatures	Time
+25°C	60 minutes

---

**Waiting Time / Overcoating**

Substrate temperature	Minimum	Maximum
+25°C	4 hours	24hours Light sanding recommended after the maximum time.

---

**Curing Details****Applied Product ready for use**

Temperatures	Time
+25°C	~ 24 hours

Note: Times are approximate and will be affected by changing Ambient and substrate conditions.

---

**Cleaning/  
Maintenance**

Spillage of any kind should be cleaned quickly.  
Use mild detergent & water to clean the coating regularly.  
Scrubbing can be done by using soft bristles.

---

**Value Base**

All technical data stated in this Technical Data Sheet are based on laboratory tests.  
Actual measured data may vary due to circumstances beyond our control.

---

**Health and  
Safety**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

---



---

**Legal Notes**

The information, and, in particular, the recommendations relating to the application and end-use of Jemkon's products, are given in good faith based on Jemkon's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Jemkon's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Jemkon reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Technical Data Sheet for the product concerned, copies of which will be supplied on request.

---

