


PRODUCT DESCRIPTION	AQUATHANE 888 is a two component, aliphatic, UV stable, clear or pigmented, water-based polyurethane coating used for wall, floor, Terrace, etc..	
WHERE TO USE	Typically used as a UV stable, clear or pigmented seal coat applied to steel, concrete, screeds or epoxy/ PU resin systems.	
CHARACTERISTICS/ ADVANTAGES	UV resistant – non yellowing. Very high abrasion resistance. Excellent pencil hardness Low VOC. Low odour. Easy to apply. Easy to clean and maintain.	
APPEARANCE/ COLOUR	Part A - Resin : Coloured, liquid (as per Jemkon Shade card) Part B - Hardener : Clear, liquid	
PACKAGING	5 & 20 kgs	
STORAGE/ SHELF LIFE	24 months from date of production if stored in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +35°C.	
CHEMICAL BASE	Water Based Polyurethane	
DENSITY	Mixed: ~1.15 to 1.20 g/cc	
MECHANICAL/ PHYSICAL PROPERTIES		
SURFACE HARDNESS	80 (Shore D)	
UV LIGHT RESISTANCE	Excellent	
TEMPERATURE RESISTANCE	Tolerant Up To 65°C	
ABRASION RESISTANCE	Taber Abrasion: 20 mg loss per 1000 cycles (1kg load using CS17 wheels)	
BOND STRENGTH	Greater than cohesive strength of 25N/mm2 concrete. >1.5 MPa.	
APPLICATION DETAILS		
CONSUMPTION/ DOSAGE	AQUATHANE 888 ~ 0.1 Kg/m2 for 1 coat @ 50 micron thickness. (2 coats recommended)	
SUBSTRATE QUALITY	The concrete substrate must be sound and of sufficient compressive Strength (minimum 25 N/mm2) with a minimum pull off strength of 1.5 N/mm2. The substrate must be free of all contaminants such as oil, grease, coatings and surface treatments etc. If in doubt, apply a test area first.	
SUBSTRATE PREPARATION	Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment 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 min. / +40°C max.	

MIXING

Stir Component A (Resin) and Component B (Hardner) first individually for approx. 15 seconds to remove any settling. Only mix the required quantity for application as per ratio given on the container. Mix for 1 to 2 minutes until the mixture is homogeneous and the material is uniformly dispersed.

Over mixing must be avoided to minimise air entrainment.

Use a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION PROCESS & TOOLS

Prior to application, confirm substrate moisture content.

If > 4% moisture content, Jemkon TUFFCEM may be applied as a Temporary Moisture Barrier (TMB) system.

Make sure that a continuous, pore free coat covers the substrate.

Apply AQUATHANE 888 by brush, roller or spray.

RECOMMENDED UNDERCOATS & OVERCOATS

Primer : TECH 20 / TECH 24 / TECH MCPU

Screed : TECH 60

Sealer : TECH 24 / TECH 60

Top coat : AQUATHANE 888/ TECH SL / TECH FC flooring series

CLEANING OF TOOLS

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

CURING DETAILS

POT LIFE

Temperatures	Time
+25°C	~ 30 minutes

WAITING TIME/ OVERCOATING

Temperatures	Minimum	Maximum
+25°C	4 Hours	24 Hours
(Optional) Light sanding advised after maximum time.		

APPLIED PRODUCT READY FOR USE

Temperatures	Minimum	Maximum
+25°C	24 Hours	-

Times are approximate & will be affected by changing ambient & 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.