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## AQUAGUARD 101 - Specification

### GENERAL

**NUPLEX AQUAGUARD 101** is a two-part water based epoxy coating designed to provide a waterproofing coating for concrete, masonry and other substrates when applied to an inside face.

This specification deals with:

1. Manufacture of Materials
2. Finish Options
3. Surface Preparation
4. Application

#### 1. MANUFACTURE OF MATERIALS

All materials shall be produced, supplied and specified by Nuplex Industries Ltd. To avoid incompatibility of component material it is essential that Nuplex technical staff be consulted before any product other than those specified is used.

#### 2. FINISH OPTIONS

The finish of Aquaguard 101 is matt and white in colour. Aquaguard 101 may be tinted to pastel colours.

#### 3. SURFACE PREPARATION

It is the contractors responsibility to inspect all areas which are to receive the Aquaguard 101 coating and report any unsatisfactory conditions to the main contractor. Listed below are detailed specifications for preparing various substrates.

### SUBSTRATES

#### **CONCRETE**

Remove all dirt, oil, laitance or any other contaminates by thoroughly coarse grinding, shot blasting, acid etching, waterblasting or wet grinding with diamond head grinder or other means.

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This document is a technical data information sheet The description of the product or products and the properties of the product or products contained in this document is for the sole purpose of identifying the product or products and describing their property or properties and does not constitute a warranty that the product or its properties shall conform to that description; nor is the description of the product and/or its properties a warranty by NUPLEX that the goods are suitable for a particular purpose.

Remove, by grinding, any existing coating which will affect adhesion of Aquaguard 101 to the substrate.

Ensure all required expansion and construction joints are in place and filled with Nuplex K125 epoxy. Ensure cracks and joints are cross laminated with a 200mm strip of 300gsm chopped strand matt.

#### **MASONRY AND BLOCKWORK**

Remove all dirt, oil, laitance or any other contaminants by thoroughly wire brushing or waterblasting.

Remove any existing coating which will affect adhesion of Aquaguard 101 to the substrate.

Ensure all required expansion and construction joints are in place and filled with K125. Ensure cracks and joints are laminated with a 200mm strip of 300gsm chopped strand matt.

#### **OTHER SUBSTRATES**

Refer Nuplex Industries for recommendations.

#### 4. **APPLICATION**

All products shall be applied in accordance with manufacturer's instructions or recommendations.

##### **COATING SYSTEM**

###### **1<sup>st</sup> Stage**

It is desirable for the first coat to be applied to a water dampened substrate. Apply by brush or roller Aquaguard 101 at a spreading rate no greater than 2.5m<sup>2</sup> per litre (coverage may vary slightly depending on porosity of substrate).

###### **2<sup>nd</sup> Stage**

Apply by brush or roller Aquaguard 101 at a spreading rate no greater than 4m<sup>2</sup> per litre. Allow to dry.

Ensure that the Aquaguard 101 is worked in different directions to avoid any pinholing. It is essential that a uniform pinhole free finish is achieved.

Finishing and coverings: please see Tech data sheet.

This specification is to be read in conjunction with relevant technical data sheets. If any doubt or confusion exists please contact Nuplex Industries Ltd, Construction Products Division.