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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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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

1st 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 2.5m² per litre (coverage may vary slightly depending on porosity of substrate).

2nd Stage

Apply by brush or roller Aquaguard 101 at a spreading rate no greater than 4m² 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.