NuTex Coatings

Render Finishing System

Preparation and Coating Specification

James Hardie
A smarter way to build

Substrate: James Hardie®D3-ComTex® (SS028-01)

Step 1 - Jointing & External Angles

First apply NuPATCH to the joints and angles, whilst wet; embed the mesh into the patching compound (the rebate is to be filled flush with the face of the ComTex® Facade Panel).

Step 2 - Basecoat

Apply a coat of NuCLAD Basecoat ensuring that you embed the 200mm mesh (whilst the basecoat is wet) over all joints, all external corners, and at diagonals across corners of all windows and openings (unless a control joint will be in its place).

Note: If mesh is overlapped, then it must be at a minimum of 100mm.

Step 3 - Basecoat

Allow the first coat to dry, apply the second coat of NuCLAD Basecoat (Making sure that all the mesh is no longer visible). To achieve a flat surface finish we recommend using a diamond float.

Step 4 - Texture Coating (The Look)

Apply a coat of MABLETEX Texture using a trowel and finishing with a plastic red float (Commencing from the top of the working area and moving down to the bottom).

Step 5 - The Protective Coat

NuSHIELD Membrane Paint is to be applied by a brush and roller (Commencing from the top of the working area and moving down to the bottom).

We recommend that you brush and roll at the same time (keeping a wet edge) to avoid picture framing. Minimum of two coats are required.

STEP 1
STEP 2
STEP 3
STEP 4
STEP 5

CEMENT BASED PRODUCTS	DATA SHT No.	COVERAGE (ONE COAT)	OTHER
NuCLAD Basecoat	PDS100-01	5-7m² Per Coat	2-3mm-Per Coat (no less 4mm total)
NuPATCH	PDS402-01		
MARBLETEX-DRY Texture	PDS200-01	8-10 m²	Thickness of 1-2mm
ACRYLIC BASED PRODUCTS			
MARBLETEX-WET Texture	PDS201-01	12-15 m²	Thickness of 1-2mm
NuSHIELD Membrane Paint	PDS400-01	75-85 m²	4 Hours - In Dry Conditions

RELATED DOCUMENTS

- JAMES HARDIE® ComTex® Facade Panel and Fixing System Technical Specification
- JAMES HARDIE® Material Safety Data Sheets (MSDS)

SUBSTRATE

ComTex® Facade Panels are designed for external wall cladding installations in accordance with the JAMES HARDIE® recommendations.

Substrate Check

Ensure the substrate has been installed in accordance with the manufacturer's instructions and in accordance with correct building practices, paying particular attention to the positioning of control joints. The success and Integrity of the coating system is dependent on the quality and installation of the substrate.

SUBSTRATE PREPARATION

Installation of the ComTex® Facade Panel

It is the responsibility of the Builder, Project Manager and/or Panel Installer to ensure that the ComTex® Facade Panels are installed in accordance with JAMES HARDIE® recommendations, project specific engineering specification and relevant building codes prior to commencement of any coatings applications.

We do not endorse any building system or the suitability of any building system specific to project requirements. It is up to the users of this information to satisfy themselves of the suitability any advice in relation to their particular project requirements.

General Preparation

The surface of the ComTex® Facade Panels is to be clean, dry, stable, dirt, dust free and be ready for the first coat to be applied. During application, the temperature of the substrate should not be below 5º or over 35º. To avoid high surface temperatures, it is advised to shade area during the period of application.

EXTERNAL ANGLES

Aluminum External Angles covered with an alkaline resistant mesh are required to be fitted to all external corners. They are to be applied with solvent free construction adhesive glue. (Mesh to be embedded into NuCLAD Basecoat)

JOINT REINFORCEMENT MESH – 55mm

The reinforcement mesh is an alkaline resistant, adhesive fiberglass mesh. (To be embedded into NuPATCH)

Density - 160g/m2
Width - 55mm
Dimensions - 5mm x 5mm

JOINT REINFORCEMENT MESH – 200mm

The reinforcement mesh is an alkaline resistant, non-adhesive fiberglass mesh. (To be embedded into NuCLAD Basecoat)

Density - 160g/m2
Width - 200mm
Dimensions - 5mm x 5mm

IMPORTANCE OF THOUROUGH DRYING

Check the products table (on page 1) carefully to make sure that any acrylic materials being applied over cement based dry powders have had adequate drying time (min. 10 days). The dry powders in our range contain cement and could take up to 28 days to be fully cured. It is the responsibility of the builder and/or contractor to ensure that each surface is thoroughly dry before the acrylic coat is applied.

Nutex Coatings recommend that professional contractors use a moisture meter to determine the degree of dryness. We consider dry conditions (suitable dry) to be consistent with readings of less than 12%. Should a coating be applied on a substrate or surface that has not sufficiently dried, a white bleaching, blistering and/or cracking on the surface may occur in the weeks after application as moisture evaporates out of the system.

WARRANTY

When this particular substrate finishing system is applied as above with all the nominated products, as described in this document, Nutex Coatings will provide a material only replacement warranty caused by any defect in manufacture of its products.

Nutex Coatings provides a seven year warranty for defective product only (product replacement only) against this substrate system, providing the components are of the quality specified and are applied strictly according to the guidelines laid down in this Manual. This manual must be read and understood before applying Nutex products onto this particular substrate.

Nutex Coatings cannot be held responsible, and hence no warranty applies, if the system or its components are not applied according to the guidelines.

As advised above, insufficient or inadequate construction of expansion joints could lead to cracking of the system. Placing of control/expansion joints is the responsibility of the Builder/Engineer/Architect.

Nutex Coatings provide important framework and information platforms within the NUTEX COATINGS Render Finishing system guidelines. Failure to follow our specifications may result in system failure and loss of warranty.

Minimum Requirements:
(to commence potential failure investigation)

- Application Dates
- Product Batch Numbers
- Quantities must be recorded and supplied as a minimum to commence potential product failure investigation.

LIMITATIONS

The liability of Nutex Coatings Pty Ltd for any loss, damage or other expenses (whether incurred directly or indirectly) in connection with use of this system is limited to;

- Nutex Coatings renders / textures composition recommendation, including but not limited to, prevailing weather conditions and Protection of finished work.
- Nutex Coatings provides no warranty, expressed or implied, against damage due to movement of the substrate or structure.

Whilst Nutex Coatings takes every care to ensure that any impurities in the Product are eliminated at the time of manufacture, components of the product are natural materials including sands or mineral earths which may occasionally result in minor visual blemishes, Nutex Coatings shall not be liable for any such blemishes.

DISCLAIMER

The information and recommendations contained herein are based on tests and data believed to be reliable and are issued for your guidance. However we cannot accept any responsibility for the results as the use and application of the product is beyond our control. Whilst every effort has been made to ensure that the information in this document is correct at the time of printing, Nutex Coatings Pty Ltd reserves the right to change the specifications of all products referred to in this document.

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