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**TERRADECRA
DECORATIVE STONE CARPET**

DESCRIPTION:

Terradecra is an attractive, decorative, coloured, resin bound natural pebble floor finish.

Colours and textures are achieved via the size and colour of the pebble/stone selected. *See Separate Colour Chart*

TYPICAL USES:

Residential, retail, commercial and light industrial areas, both interior and exterior where appearance, durability and low maintenance are important.

- Entry foyers
- Bars
- Patios/decks
- Showrooms
- Conservatories
- Family and rumpus rooms
- Shops

TYPICAL PROPERTIES:

FEATURES

Natural stone finish
Seamless
Standard and custom colours
Interior / Exterior
Thin application

Hard wearing

Unlimited design opportunities

Odour free options are available.

BENEFITS

Hard wearing, won't fade
No joints
Wide design opportunities
Versatile
3-4mm thick - easy to use with other flooring systems
Will stand up to constant wear and tear with planned maintenance.
Create custom designs/patterns/logos



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TERRADECRA (cont'd)

LIMITATIONS:

Terradecra is not recommended for use in the following areas:

- Application to unstable or defective substrates without approved remedial treatment prior to installation.
- Wet areas without a slip resistant treatment. Unless a coarser pebble is used
- Heavy-duty food processing or industrial environments.
- Over green concrete.
- Over concrete cure or release agents without Nuplex approval.
- Application below 5°C.
- Over ceramic tiles without specific written Nuplex design specification.
- Total immersion situation.

**SURFACE FINISH AND
FLATNESS
TOLERANCES:**

It must be noted that Terradecra will tend to follow the contours of existing substrates. For this reason it is important that the sub floor have the same surface tolerances as the Terradecra to achieve the specified flatness. Non-conforming floors must be Prefilled or levelled.

LIGHT COLOURS:

Care must be exercised in selecting very light/pastel colours as with any type of flooring light colours may result in a need for higher levels of cleaning etc in order to maintain a high level of appearance.

**DURABILITY FOR
COMPLIANCE WITH NZ
BUILDING CODE:**

The products, systems and application of Terradecra comply with the requirements of the N.Z. Building Industry Authority and related acts. In particular, two items of key importance are complied with. These are slip resistance, D1 and durability, B2. The warranties implied by the "Durability" code are accepted and complied with. The factors required by the slip resistance code are also complied with, except wet areas and certain ramps.

SUBSTRATES:

Shall be stable and solid.

All control joints junction cracks etc are to be treated in accordance with this specification.

Nuplex Industries should be consulted when installing Terradecra on any suspended floor slabs.

NEW CONCRETE

All floors should be shot blasted, coarse diamond abraded or acid etched strongly.

Concrete should be more than one month old and proted from the weather for a similar period.

OLD CONCRETE REQUIREMENTS

(refer to substrate, new concrete sections as appropriate)

Remove all contaminants including cement latence, dirt, grease, oil, existing coatings/toppings, unsound substrate etc by captive shot blasting, grinding scabbling, acid etching, chemically washing, hammering etc as appropriate.

Have a moisture content less than 18% or 75% RH.

Have an adequate DPC membrane.

Deep depressions, defects, hollows etc to be repaired or filled using Nuplex Prefill system.

WOOD AND OTHER FLOORING

Consult Nuplex Construction Products Division for advice.

INSTALLATION OF TERRADECRA:

Terradecra may only be installed by licensed Nuplex contractors who are "Q Check" certified and members of the Nuplex Contractors Federation Inc.

All materials shall be installed using best trade practice and in accordance with the manufacturers recommendations or instructions. If any doubt exists it is the responsibility of the contractor or client to contact Nuplex Construction Products Division for advice.

SYSTEM COMPONENTS

Primer

Standard

Nuplex STZ Primer

Low Odour

Nuplex Supascreed Primer

Resin Base

Standard

Nuplex STZ Coving Resin

Low Odour

Nuplex Gelled Supascreed Resin

Stone Pebbles

2 – 6mm dry rounded natural river pebbles or 2 – 4mm coloured Terradecra pebbles as supplied by Nuplex Industries, Construction Products Division.

NB: Pebbles are available in a huge range of colours and sizes.

Glaze

Nuplex Revathane Glaze

Approximate Coverage Rates @ 4-6mm Thickness

Primer

4 – 6m²/litre

Resin Base

1 – 1.5 litres/m²

Stone Pebbles

6 – 9 kgs/m²

Glaze (2 coats) 6m²/litre/coat

APPLICATION INSTRUCTIONS:

Priming

Prime properly prepared floor areas with a minimum of 1 coat of appropriate primer for system selected.

Coverage rate and number of coats will vary depending on the porosity of the substrate.

Primer, resin base and hardener/catalyst are to be accurately ratioed in the correct proportions and thoroughly mixed prior to application. Allow to tack dry prior to overlaying with Terradecra.

Terradecra Base

Accurately weigh, blend and power mix until homogeneous the appropriate Terradecra resin base and hardener/catalyst.

Add selected (dry) stone pebbles. (It is recommended that stone pebbles be box blended to ensure continuity of colour.)

Resin, hardener/catalyst and stone pebbles are blended in an efficient mixer to ensure all ingredients are homogenously blended.

Note:

Avoid over mixing of the aggregate.

Apply Terradecra base to correctly prepared and sealed substrate using steel hand trowel and/or power float to a minimum 4mm thickness.

Terradecra is to be trowelled to ensure the surface is free from ridges or unevenness. Successive mixes must be homogeneously blended together into wet Terradecra mixes. Access to repair wet floor areas during installation can be achieved using crampons or special spiked shoes.

Floor patterns/designs etc can be achieved using angle strips between sections of the floor, temporary formers or cut precast sections of Terradecra glued into position prior to installing the surrounding floor.

Verticals can be completed with the main floor, however they are best installed prior to the installation of the floor.

Ensure all finished edges of the Terradecra are supported to avoid damage.

NB: Very large pebble based floors may benefit from a "flood coat" of resin. This should be decided by the client preference and the sample effect. Always overglaze with Revathane for UV protection.

Glaze

Once the Terradecra base is finished and hardened apply a minimum 2 coats of Revathane Glaze at a spread rate no greater than 6m²/litre/coat. Glaze must be applied only to clean and dry surfaces.

TERRADECRA (cont'd)
CONTROL AND OTHER JOINTS:

All control and other movement joints are to be bought through the Terradecra finish.

Non-movement joints/cracks can be fibreglass banded using 450gsm glass mat and Terradecra resin.

QUALITY ASSURANCE:

A log shall be kept by the licensed Terradecra contractor and made available to Nuplex Industries Ltd at their request. Information to be recorded daily is:

- Material batch numbers used.
- Sequence of mixing, ratios and quantities and formula.
- Substrate moisture content.
- Substrate temperature.
- Ambient temperature.
- Ambient relative humidity.

**MAINTENANCE/
CLEANING
PROCEDURE**

Terradecra floors require no special maintenance or care. Vacuum or wipe with a damp cloth or mop and neutral detergent. Soiled Surfaces can be cleaned using a neutral solvent-based detergent and light brushing. Finish using a wet vacuum. Maintenance coats of Revathane Glaze are recommended at 3-5 yearly intervals.

Producer Statement

Nuplex Industries Ltd state that Terradecra is fit for the purpose of waterproofing floors and hence conforms to the relevant parts of the New Zealand Building Act. A 15 year warranty applies upon compliance with our technical application details.

- 25 Years + use in New Zealand.
- **Compliant with E3 Internal Moisture:** Internal Section 3.0 Watersplash, section 3.1.1. eg bathroom floor and shower base use.
If a tanked floor is required to waterproof an above room floor the the substrate will be to be fully fibreglass laminated. Use 450gsm chopped stanced fibreglass with the resin base being employed.
- **Compliant with E2/AS1 External Moisture** for waterproofing walls and floors. Section 12.2.2 DPM materials. Aquaguard is an epoxy waterproofing material formulated to prevent moisture entering a structure. This product is often used in retrofit (post applied) applications. Also used as a flashing.
- **Compliant with D1 accessway and B2 Durability requirements.**