

TERRAZZITE

THE ARISTOCRAT
OF FLOOR SURFACES



A PERFECT
BLEND OF
NATURAL
MARBLE,
STATE OF
THE ART
SYNTHETIC
RESINS AND
SKILLED
APPLICATION

SELECTED BY
DISCERNING
CLIENTS AND
IMAGINATIVE
DESIGNERS

LYNNMALL SHOPPING CENTRE
NEW LYNN, AUCKLAND

INTRODUCTION

The TERRAZZITE range of floor toppings was first introduced to the N.Z. market in 1977 following earlier use in overseas countries. Since the transfer of rights from Terrazite Worldwide these flooring systems have been developed to meet changing demand through the resin technology of Nuplex and the application skills of members of the Nuplex Contractors Federation.

ARCHITECTURAL TERRAZZITE is one of three Terrazite grades characterised by the grinding and polishing of the trowel applied surface topping.

The topping is a formulated blend of resin and marbles mixed and laid on to sound structural substrates. See 2, 3, & 4.

PURPOSE

A monolithic floor topping combining variable design features and colour with long term durability to provide a low maintenance superior finish for floor areas subject to high levels of pedestrian traffic.

SUITABILITY

ARCHITECTURAL TERRAZZITE is totally suited to application in areas of pedestrian traffic where appearance, low maintenance and ease of cleaning are all of great importance. Suited to floor areas in quality buildings where designers and owners wish to distinguish their premises from others. Construction benefits are achieved from the lower weight of this floor topping when compared to other cement based toppings and tiles.

Retail shopping centres and malls, supermarkets, airports, hotels and office foyers, restaurants, service and feature areas, residences and apartments are suited to the beauty and practicality of ARCHITECTURAL TERRAZZITE.

PROPERTIES

Combines beauty with functional durability.

Durable strong resin matrix abrasion resistance 4 times that of concrete.

Design total freedom of patterns, logos and colour division of patterns with aluminium, stainless steel or brass strips. See 1, 5 & 6

Colour variations from tinting of resins and blending of natural marbles.

Lightweight relatively lightweight and thin profile around 6mm gives practical advantages in multi storey design.

Resistant to damage.



RESIDENTIAL APPLICATION



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FOOD HALL - NORTHLAND MALL, CHRISTCHURCH

GENERAL

NUPLEX ARCHITECTURAL TERRAZZITE is a polished synthetic terrazzo-type flooring made up of marble aggregates and synthetic resin. The floor topping system is applied insitu by members of the Nuplex Contractors Federation. The Architectural Terrazzite in selected patterns and colour becomes an integral part of the building structure.

This specification deals with:

1. MANUFACTURE OF MATERIALS

All materials shall be produced supplied or 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 considered as a substitute.

2. FINISH OPTIONS

The colours and patterns that can be achieved with ARCHITECTURAL TERRAZZITE are almost limitless. It is important that a 300mm x 300mm sample of colour and pattern be submitted to the Architect, Engineer, Client for approval prior to commencement of work on site.

3. SUBSTRATES

SHALL BE STABLE AND SOLID

Ability of new or existing floors to take additional loads as a result of the Architectural Terrazzite must be checked prior to installing. All control joints, junction cracks etc are to be treated in accordance with details in section 7.5 of NUPLEX specification #330. Nuplex Industries should be consulted when installing Architectural Terrazzite on any suspended floor slabs.

NEW CONCRETE

Shall have a surface which has been mechanically trowelled to an NZS3114:1987 or AS3610:1995 U3 finish or better then lightly broomed after compaction then screeding to assist with mechanical bond. A minimum compression strength of 25 MPA at 28 days cure. All levels to be accurately laid into the concrete. A surface free of cement laitence or other contaminants or any roughly screeded or floated patches or areas. No traces of cure membranes.

OLD CONCRETE REQUIREMENTS

Remove all contaminants including cement laitence, dirt, grease, oil, existing coatings/toppings, unsound substrate, etc by shot blasting, grinding, scabbling, acid etching, hammering etc as appropriate. Deep depressions, defects, hollows etc to be repaired or filled using NUPLEX STZ Prefill system.

OTHER SUBSTRATES

Refer NUPLEX INDUSTRIES LTD for a specific recommendation.

CAUTION: *Moisture content of all surfaces is critical to the successful application of ARCHITECTURAL TERRAZZITE. All substrates should have a moisture content less than 75%RH using a surface hygrometer. A simple guide is to tape seal a 1 m² plastic sheet to the surface for 24 hours, if any condensation is present on inspection - do not proceed.*

4. APPLICATION

Apply NUPLEX ARCHITECTURAL TERRAZZITE Flooring to correctly prepared and sealed substrate by hand trowel and/or power float. Refer *Illustration 2*.

NUPLEX ARCHITECTURAL TERRAZZITE must be applied in such a manner to achieve a minimum 6mm thickness when ground and polished. Refer *Illustration 3*.

Floor patterns may be achieved with the use of angle strip between sections of the floor. Refer *Illustration 1*.

Grinding shall be accomplished by a wet process using standard terrazzo grinding equipment. Refer *Illustration 3*. Grouting of the ground surface will precede finishing with 280 grit stone. Surface sealing and polishing is carried out using recommended Nuplex sealers and approved polish systems. Refer *Illustration 4*. Nuplex QA program is to be completed by the Nuplex contractor.

This is not a full specification. For more detailed information on treatment of cracks, control joints, substrates etc please refer to Architectural Terrazzite specification #330 available from Nuplex Industries Ltd in hard copy or computer disk format.



PAK 'N SAVE SUPERMARKET



WESTCITY-HENDERSON



GREENBANK RSL CLUB QUEENSLAND