

PROJECT
FLOORS

Your Project. Our Floors.

+ProTile
Cardrona Collection

Project Floors NZ Ltd

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MIFLOR
We speak carpet tile!

When planning and modernising any space the goal is to create a productive space for all. Well-being in all spaces increases motivation, creativity and efficiency. An environment in which one feels at home is made up of the correct materials, forms and colours in order to leave behind an overall impression of comfort and warmth.

Project Floors specialises in design floor coverings, which offer real advantages in modern design. Bespoke or standard, carpet planks and tiles, authentic reproductions of wood, stone and ceramic designs which are almost indistinguishable from the real thing and form the foundation of your personalised interior, be it discreetly reserved or eye-catching and provocative.

The sheer wealth of designs means there's something for everyone, offering unlimited ways in which to combine and compliment them with different designs patterns. The use of features, inlays or borders to create an individual interior design. Different module sizes and shapes from planks to squares in a special format can offer classical elegant installations like herringbone or chevron.

In all you can use this fact to change the most unwelcoming interior to a harmonized ambience with suitable materials, shapes and colours. Harmonic surroundings can contribute to the well-being and a more positive attitude towards life in all areas.

+ Cardrona™

Superior Acoustics with premium comfort –

ProTile backed by EcoTx offer superior acoustics in both NRC and IIC while offering the looks to suit. Its unique built In Underlay system at manufacturing stage, means total assurance in performance and enhanced benefits.

APPLICATIONS

Decorative and functional acoustic soft floor covering for education, retail and commercial interiors

Design possibilities with modular flooring for ultimate creative solutions

Mix and Match design for education and commercial sectors to create functional spaces and areas

Modular room divider for display, privacy and sound absorption

COLOUR OPTIONS

Cardrona

1000 x 250 x 11mm – 5m²/box



Cardrona A 01



Cardrona A 02



Cardrona A 03



Cardrona A 04



Cardrona B 01



Cardrona B 02



Cardrona B 03



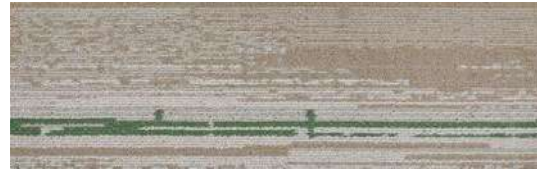
Cardrona B 04

MOQ's apply to some colours. To find out more, or to order a sample, please contact one of our Team or visit our website

COLOUR OPTIONS

Cardrona

1000 x 250 x 11mm – 5m²/box



Cardrona C 01



Cardrona C 02



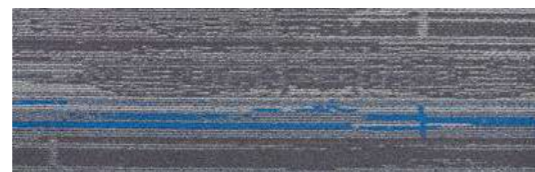
Cardrona C 03



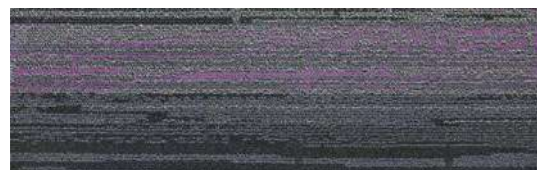
Cardrona C 04



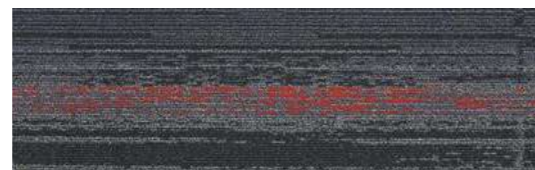
Cardrona C 05



Cardrona C 06



Cardrona C 07



Cardrona C 08

MOQ's apply to some colours. To find out more, or to order a sample, please contact one of our Team or visit our website

Product Specifications

| | |
|----------------------|---|
| Product Construction | Multi-Level Loop |
| Yarn Fibre | 100% Nylon 6 (Econyl 6.6 - Recycled Nylon option) |
| Yarn Supplier | Universal or Aquafil |
| Colour System | 100% Solution Dyed |
| Stitches | 11 per inch |
| Pile Thickness | 3 - 5mm (±0.5mm) |
| Total Thickness | 10 - 11mm (±0.5mm) |
| Size description | 250mm x 1000mm (500mm x 1000mm option) |
| Backing | Backed by EcoTx (EuroBac option) |

Performance Specifications

| | |
|---|--|
| Area of Use | Heavy Commercial |
| Stability Delamination | ASTM D3936 ≥ 3.0 lbs/in ISO 11857 ≥ 26 N GB/T 26843 ≥ 26 N |
| Stability - Dimensional Stability | ISO 2551 ≤ 0.1%QB/T 2755 ≤ 0.1% |
| Stability - Tuft Bind | ASTM D1335 ≥ 8.0lbs ISO 4919 ≥ 30N QB/T 1090 ≥ 24N (QB/T 2755) |
| Wear - Castor Chair | ISO 4918 ≥ 2.4 QB/T 2755 ≤ 0.15% |
| Colour Fastness to Light | AATCC 16E ≥ 4 at 60 AFU's ISO 105-B02 ≥ 4-5 GB/T 8427 ≥ 4-5 |
| Colour Fastness to Rubbing and Crocking | AATCC 165 ≥ 4 ISO 105-X12 ≥ 4-5 GB/T 3920 ≥ 4-5 |
| Colour Fastness to Water | AATCC 107 ≥ 4 ISO 105-E01 ≥ 4-5 GB/T 5713 ≥ 4-5 |
| Critical Radiant Flux | 8.7Kw/m ² |
| Antistatic | AATCC 134 < 3.5kV ISO 6356 ≤ 2.0 kV GB/T 18044 ≤ 2.0kV |
| Antimicrobial | Smart Antimicrobial |

General Specifications

| | |
|-----------------|--|
| Acoustic - NRC | Absorption Coefficient - NRC 0.3 - T1615-4 |
| Acoustic - IIC | Lw = 31 dB - T1615-4 |
| Dynamic Loading | ISO 2094 < 15% Thickness loss QB/T 1091 < 15% Thickness Loss |
| Static Loading | ISO 3415 < 15% Thickness loss QB/T 1092 < 15% Thickness Loss |

Environmental Specifications

| | |
|------------------------|--|
| Total Recycled Content | 45-85% Depending on Face yarn selected |
| Indoor Air Quality | Green Label Plus, GREENGUARD Gold |
| End of Line | Carpet to Carpet Recycling |
| Installation | Refer Project Floors Installation Guidelines |
| Maintenance | Refer Project Floors Maintenance Guidelines |
| Reclamation | Commercially Recyclable |
| Warranty | 15 Year Standard Warranty |

Fire Report

Material Specification:
 Nominal composition: 100% solution dyed 6,6
 Nominal total pile mass: 644 to 712g/mn2
 Nominal backing: Exotex, non woven Terylene

ASISO 9239.1-2003
 Part 1

Reaction to Fire Tests for Floorings
 Determination of the Burning Behaviour
 using a Radiant Heat Source

Date of sample arrival: 05/05/2010
 Date tested: 09/06/2010

Results:

| | CHF (Critical Heat Flux / Critical Radiant Flux) | | | | Mean | kW/m2 |
|--------|--|-----|-----|------|------|-------|
| | 1 | 2 | 3 | Mean | | |
| Length | 8.7 | 8.0 | 9.1 | 8.6 | - | kW/m2 |
| Width | 9.1 | - | - | - | - | kW/m2 |

Smoke Value

| | 128 | 110 | 126 | 121 | % min |
|-------|--------|-----|-----|-----|-------|
| | Length | 128 | 110 | 126 | 121 |
| Width | 87 | - | - | - | % min |

Observations: melting, blistering, penetration of flame through to substrate

Note: Sample was conditioned in accordance with BSEN 13238-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

Each specimen was adhered to a substrate of 6mm thick reinforced cement board using Roberts 656 adhesive and clamped prior to testing

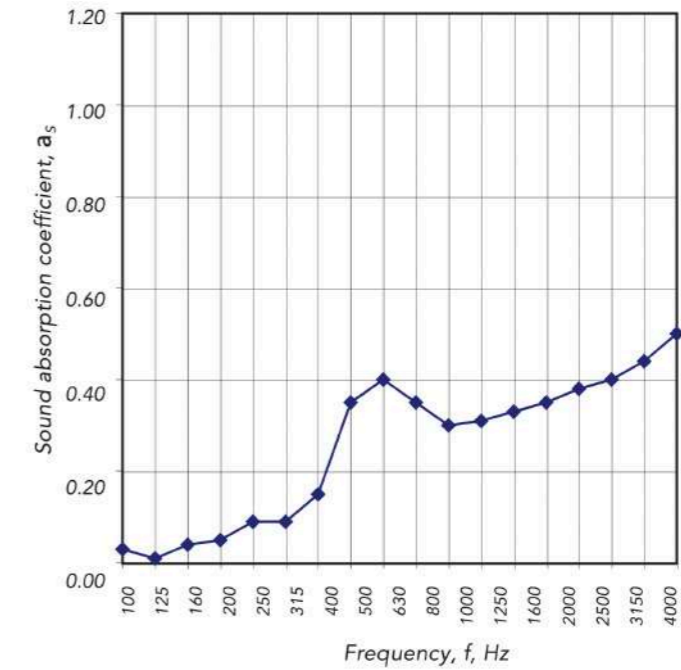
The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use

Light Reflectance Values by Colour

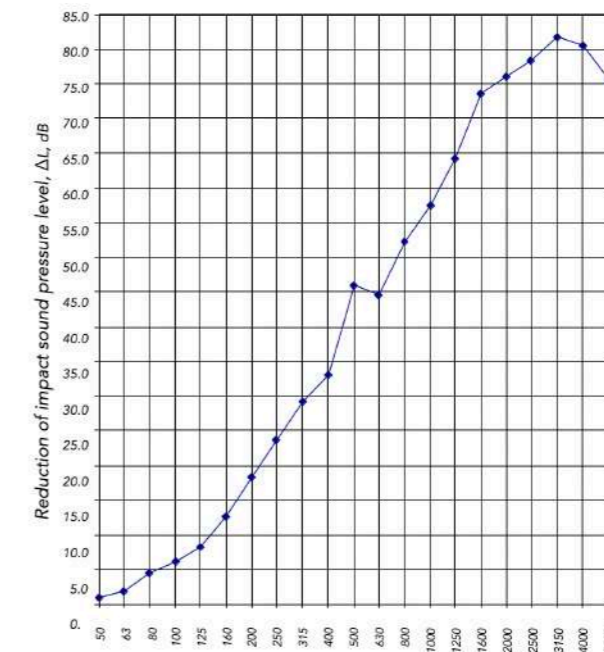
| | | | |
|---------------|--|---------------|--|
| Cardrona A 01 | | Cardrona A 02 | |
| Cardrona A 03 | | Cardrona A 04 | |
| Cardrona B 01 | | Cardrona B 02 | |
| Cardrona B 03 | | Cardrona B 04 | |
| Cardrona C 01 | | Cardrona C 02 | |
| Cardrona C 03 | | Cardrona C 04 | |
| Cardrona C 05 | | Cardrona C 06 | |
| Cardrona C 07 | | Cardrona C 08 | |

Acoustic Report:

Acoustic Testing by University of Auckland - Test Report Number T1615-4



| Frequency (HZ) | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
|--------------------|------|------|-----|------|------|------|-----|
| ProTile with EcoTx | 0.00 | 0.05 | 0.3 | 0.3 | 0.35 | 0.45 | 0.3 |



Rating according to ISO 717-2:

$\Delta L_W = 31 \text{ dB}$

$C_{l,\Delta} = -13 \text{ dB}$

$C_{l,r} = 2 \text{ dB}$

$C_{l,50-2500} = 2 \text{ dB}$

These results are based on a test made with an artificial source under laboratory conditions (engineering Method) with the specified reference floor.

Installation Instructions

BEFORE STARTING

It is the responsibility of the contractor to verify, before the installation, that material supplied conforms to owner's specifications, including correct product, code/colour and quantity.

Labels on each carton contain important information including: product, code/colour and manufacturing batch (dye batch information).

It is not recommended to mix dye batches in the same area.

Take particular notice of installation codes printed on cartons as this indicates the manufacturers' recommended installation method. However the client's preferred installation method should be confirmed and signed off by the installer before commencement of installation.

CONDITIONING OF MATERIALS

The installation location must stay within 15.5 degrees C – 29.5 degrees C with relative humidity between 40% - 60% for a period of 48 – 72 hours before, during and after the installation. The heating and air conditioning system should be operational during this period. All carpet tiles must be removed from the cartons and allowed to adjust to the job site temperature for 48 hours prior to installation.

FLOOR PREPARATION

The sub-floor must be rigid, dry, smooth, flat, level, sound, clean and free from harmful materials. When installing Project Floors ProTile backed by EcoTx modular carpet products, no bitumen based substance must come in contact with the EcoTx backing.

The sub-floor must be rigid to stop modular carpet from cupping.

Old carpet, under felt, loose laid vinyl, cushion backed vinyl and any old adhesive must be removed and floor scraped clean.

A clean floor – Floor should be free from all dirt, dust and harmful materials. Before applying ProjectStik Carpet tile adhesive sweep/mop and vacuum the sub-floor to remove all dust. Concrete or timber floors must be primed with an approved primer before application of ProjectStik Adhesive.

A dry floor – All floors must be dry. New concrete floors must be checked for moisture as per AS/NZS 2455.2:2007 requirements.

Moisture content must not exceed 75% levels as indicated in AS/NZS 2455.2:2007. If the moisture content is above the recommended maximum readings STOP and DO NOT PROCEED with the installation. Refer to AS/NZS 2455.2:2007 moisture & pH guidelines or seek further advice from Project Floors before proceeding. A low pH floor – The sub-floor should have an alkalinity level of between pH7 & pH9 to be suitable for ProTile backed by EcoTx carpet installation.

Should the pH level be outside this range STOP and DO NOT PROCEED with the installation. Refer to AS/NZS 2455.2:2007 moisture & pH guidelines or seek further advice from Project Floors before proceeding.

IDENTIFY THE TYPE OF FLOOR

New concrete floors – Must be smooth, level and dry as per AS/NZS 2455.2:2007.

Old concrete floors – Remove paint, sealer, grease, oil, adhesive and any harmful materials. All existing adhesive must be removed from the floor. Fill and level all cracks and holes. Bring surface up to specification as in AS/NZS

2455.2:2007 using an approved levelling compound e.g. Roberts 25 or equivalent, in accordance with manufacturer's directions. This levelling compound needs to be compatible with the adhesive and backing system.

Any existing carpet, under felt, loose laid vinyl, cushion back vinyl and all existing adhesive must be removed and the floor scraped clean.

Vinyl Tiles – Damaged & loose vinyl tiles must be replaced or patched and all existing wax coated products are to be removed. Any existing bituminous based adhesive or underlay are to be removed when installing EcoTx backed carpet tiles and planks.

Ensure that the bond between vinyl tiles and sub-floor will last the service life of the carpet tiles or planks.

If a sealer is used, any reaction shall be the contractor and end-user's responsibility.

Ceramic and quarry tiles – All joints are to be filled and levelled as per AS/NZS 2455.2:2007. Ensure all Surface glazing has been removed by using rough sandpaper or diamond grinder.

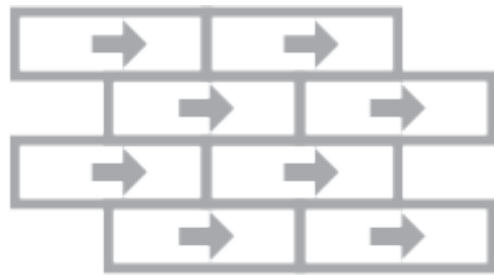
Wood Floors – Ensure sub-floor is free from imperfections as per AS/NZS 2455.2:2007 including - grooves, ridges, gaps, holes or similar imperfections, the use of a hard underlay is recommended.

Sealer / Moisture Barrier – If a sealer is used on a concrete floor it must be compatible with vinyl and can be either a solvent or water based sealer which can be acrylic, epoxy, urethane or chlorinated rubber. Sealers must also be used in accordance with manufacturer's directions. If in doubt, coat sealer on back of the tile and leave overnight. It is not suitable for use if it remains sticky.

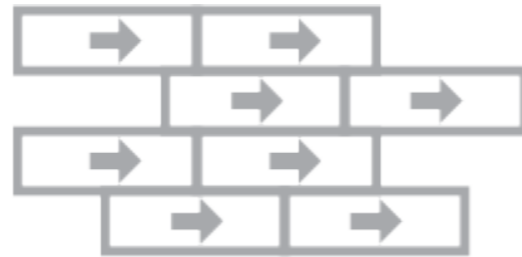
An example of suitable products to use for sealing against Hydrostatic moisture problems would be - WPM300 from ARDEX or RL20 from RLA Polymers.

An example of a suitable product to use for sealing against new build green slab moisture problems would be - GS420 Nu Slab Seal from RLA Polymers.

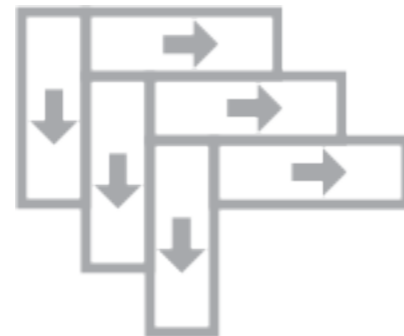
Installation Patterns:



BRICK (PLANK)



Ashlar (PLANK)



HERRINGBONE (PLANK)

- Use only warranted ProjectStik Adhesive - available from Project Floors.
- Back of tile arrows show direction.
- Random tiles should have less than 2% waste.
- Always leave spare tiles for customer - repairs and maintenance.
- Always install according to AS/NZ Standard 2455.2-2007.

** DIRECTIONAL ARROWS MAY VARY DEPENDANT ON INDIVIDUAL DESIGN

Cleaning and Maintenance

Project Floors carpets are extremely durable and require minimal attention to maintain their looks. Treated with appropriate care and attention they will continue to provide years of exceptional service. This information has been prepared to provide you with the minimum requirements that will ensure that your carpets stay in top shape and condition.

ENTRANCE MATS

Project Floors recommends that properly sized entrance mats are placed at all entrances to your carpeted areas. These will help reduce soiling becoming trodden into your carpet. Entrance mats should be cleaned regularly and thoroughly and replaced when they become visibly worn.

CHAIR MATS

Castor chairs used in offices (and similar areas) will reduce the service life of your carpet. We recommend the use of PVC or rubber chair mats.

VACUUMING

Thorough and frequent vacuuming of your carpet on a regular basis will ensure it remains looking new. (See table over page - "Maintenance Guide").

SPOT REMOVAL & SURFACE CLEANING

Immediate spot removal is essential to ensure stains do not set into the carpet. (See "Stain Removal Guide" over page).

Surface cleaning methods include liquid shampoo and dry foam systems, followed by wet vacuum, powder cleaning systems and the like. Surface cleaning is NOT however a substitute for corrective or restorative cleaning in commercial areas.

DETAILED MAINTENANCE PLAN

By keeping to a detailed cleaning & maintenance plan, you help ensure that the carpet pile remains refreshed and soiling is extracted from the carpet.

PROFESSIONAL CLEANING

In a high use or specialized installation, such as (healthcare, nursing homes etc.), a full cleaning and maintenance program should be established with qualified carpet cleaning contractors. In these environments, Project Floors carpets can be cleaned with specialized commercial equipment and cleaners.

Hot water extraction used in conjunction with spot cleaners provides the ultimate protection for your carpet.

Project Floors recommends you refer to the Australian & New Zealand Standard for Textile Floor Coverings cleaning maintenance of residential and commercial carpeting (AS/NZS 3733:1995) for further cleaning instructions and information.

Project Floors recommends the following as a guide to cleaning & maintenance of your carpet. The frequency of carrying out the various cleaning methods depends on traffic volumes, carpet construction and health considerations. Refer to the table below for a suggested maintenance programme.

| LOCATION | USUAL TRAFFIC VOLUME | SUGGESTED MAINTENANCE PROGRAMME | SUGGESTED FREQUENCY | MINIMUM FREQUENCY |
|--|----------------------|--|--|---|
| Residential | Light Duty | Full Vacuum Spot & Stain Removal Surface Clean Appropriate or restorative clean | Twice Weekly Daily (ASAP) Every 6 months Annually | Weekly Daily (ASAP) Annually Every 2 years |
| Offices & Hotel Rooms | Medium Duty | Vacuum - vacuum traffic areas - full vacuum Spot & Stain Removal Surface Clean Appropriate or restorative clean | Twice Weekly 3 times weekly Daily (ASAP) Every 6 months Annually | Weekly Twice weekly Daily (ASAP) Annually Every 2 years |
| Corridors & Foyers, Hotel Lounges, Ground Floor Shops, Kindergartens, School Classrooms, Hospital Wards | Heavy Duty | Vacuum - vacuum traffic areas - full vacuum Spot & Stain Removal Surface Clean Appropriate or restorative clean | - Daily Daily (ASAP) Every 3 months Every 6 months | Twice Daily 3 times weekly Daily (ASAP) Every 6 months Annually |
| Restaurants Healthcare Public Areas Corridors, Passageways & Entry/Foyer areas | Very Heavy Duty | Full Vacuum Spot & Stain Removal Surface Clean Appropriate or restorative clean | Daily Daily (ASAP) Monthly Every 3 months | Daily Daily (ASAP) Every 2 months Every 6 months |

The table below lists some common stains and recommended cleaning methods. Before carrying out any cleaning method, apply to a concealed section of carpet to ensure it does not affect the adhesive or the carpet. Avoid harsh rubbing. Vacuum to restore the pile, but do not use a stiff brush.

| STAIN | TREATMENT GUIDE | KEY |
|---------------------------------------|---------------------|---|
| Blood | A C | A Mop up excess as soon as possible with a sponge or cloth. |
| Burn / Scorch mark | K | B Remove surplus with a knife edge or appropriate instrument. |
| Chewing Gum | I B D C | C Sponge with a solution of carpet shampoo working from well outside the stain in a circular motion towards the center (this avoids spreading the stain). Sponge afterwards with clean warm water and mop excess moisture with a clean dry cloth or sponge. Allow to dry then brush gently with a soft brush. If any stain remains, sponge with a solution of one part bleach to six parts clean water. Thoroughly rinse after treatment. |
| Chocolate | B D C | D Lightly sponge with household dry cleaning fluid and blot. Apply sparingly, as the substance may have an adverse effect on the adhesive. |
| Cooking Oils | B D C | E Sponge with methylated spirits and blot dry. |
| Crayon / Colour Markers | B D C | F Lubricate the stain with glycerin or petroleum jelly. |
| Drinks (cola, tea, juices, beer etc.) | A C | G Apply nail polish remover. The nail polish remover should not contain lanolin or be of a greasy nature. |
| Dust / Dirt | Vacuum, then J or C | H Sponge with turpentine (or substitute). |
| Excrement | B C | I Freeze with ice cubes and scrape away while cold. |
| Grass | C | J Clean with regular extractive carpet cleaner (if possible). |
| Grease | B D C | K Use circular cutter to remove damaged portion. Re-glue new piece into place. |
| Ink (ballpoint) | D E | |
| Ink (fountain) | A C | |
| Lipstick | B E C D | |
| Mildew | C | |
| Milk | A E | |
| Mud | B C | |
| Nail Polish | A G | |
| Oil | B D C | |
| Paint (water based) | A F C | |
| Paint (oil based) | A H D C | |
| Sauces | B C D | |
| Urine | A C | |
| Vomit | A C D | |
| Wine | A, add salt, C | |

Project Floors recommends the above in good faith, however we cannot be responsible for unsatisfactory results arising from the proposed treatments. Maximum recommended temperature for any cleaning method is 100°C - 110°C.

The following chemical should only be used in a well-ventilated area: - dry-cleaning fluid, turpentine, methylated spirits, white spirits, nail polish remover, or any spotting fluid carrying a red flammable device on its label. Ensure no flame or lit cigarette is nearby. Do not extract flammable liquids with a vacuum cleaner or extraction machine as volatile fumes may ignite in vacuum motors causing an explosion.