

A POLYURETHANE COVING MORTAR FOR VERTICAL SURFACES

DESCRIPTION

Floorgard PUV is a seamless solvent free polyurethane coving mortar applied at 3-9 mm thickness available in a range of colours.

USES & ADVANTAGES

Floorgard PUV provides a heavy duty, thermal shock resistant coving to use in combination with **Floorgard PUSL & Floorgard PUHD**. It will stand abrasive wear and a wide range of chemicals. Areas of use include covings, plinths and machine bases, drains, sumps and bund linings.

Advantages include:

- Hygienic easy to maintain. Non tainting & non dusting.
- Monolithic, easy to maintain and microbiologically inert.
- Excellent chemical resistance.
- High abrasion and impact resistance.
- Steam cleanable (at 6 mm.+).
- Non toxic.

PROPERTIES (At 28 days 25°C)

Component 3 Part
Part A - Base
Part B - Hardener
Part C - Coloured filler

Compressive Strength: >40 N/mm²
(ASTM C579 method B)

Tensile Strength: >6 N/mm²
(ASTM C307)

Flexural Strength: >8 N/mm²
ASTM C580)

Concrete Adhesion: Concrete fails

Chemical Resistance: Resistant to sugars, mild detergents, some hydrocarbons, inorganic & organic acids such as.

- Hydrochloric acid 10%
- Sulphuric acid 10%
- Citric acid 10%
- Acetic acid 5%
- Lactic acid 10%
- Acetone
- Methanol
- Caustic soda 50%
- Petrol
- Oil
- Detergents

Consult Cormix International for detailed information.

Mixed Density: 2.0 ± 0.05 kg/ltr

Pot Life: 15 minutes at 20°C

Colours: Yellow, Red, Green, Grey

Due to surface finish differences the coving mortar colour may be slightly different to the floor colour.

Floorgard PUV may discolour on ageing this is more noticeable in light colours but does not effect chemical resistance.

Service Temperatures:

3 mm thickness -5°C to 60°C max.

9 mm thickness -20°C to 120°C max.

SURFACE PREPARATION

The concrete shall be sound, dry, and free from all contaminants. Captive shotblasting is recommended or scarifying. All dust, dirt, laitance, curing compounds, oil, grease, existing coatings etc. must be removed to create a sound substrate surface.

The minimum tensile (pull off) strength shall be 1.5 N/mm². New concrete shall have cured for at least 28 days and incorporate a continuous waterproofing membrane with a compressive strength greater than 25 N/mm². Concrete design shall provide for movement joints as needed and provision made for induced joints to allow for any shrinkage of the concrete along defined planes. Anchorage grooves at least 8 mm wide & 8 mm deep should be formed at edges, bay joints, columns, drains, doorways and at regular centres across the floor.

Movement joints must be carried through **Floorgard PUV** and sealed. Construction joints and cracks may be covered but they may reflect through the **Floorgard PUV**. Covings are best installed once the floor has been laid. A straight edge should be provided to minimise the effect of colour differences.

PRIMING

Floorgard PUV must be applied to surfaces primed with **Floorgard PU Primer**. Surfaces to be primed must be clean, dry, dust free, free of laitance and all contaminants. Old concrete must be checked for contamination e.g. oils, fats and sugars. Surface preparation should be by shotblasting, scarifying, grinding and hot compressed air for oil contaminated surfaces. Acid etching must not be used and wire brushing is not recommended. All dust / debris must be removed, after preparation, by vacuuming. Do not apply **Floorgard PUV** at material or floor temperatures below 10°C, temperatures must not fall below 5°C for the first 24 hours after application.

Floorgard PU Primer must only be applied by trained specialist applicators. Immediately after mixing apply the material using a short nap roller and or squeegee working well into the surface. For very porous surfaces where two coats are required the first coat must cure overnight before applying the second coat.

The consumption of **Floorgard PU Primer** is approximately 5-7 m²/kg depending on substrate porosity, the texture of the surface applied to, method of application and temperature of substrate.

MIXING

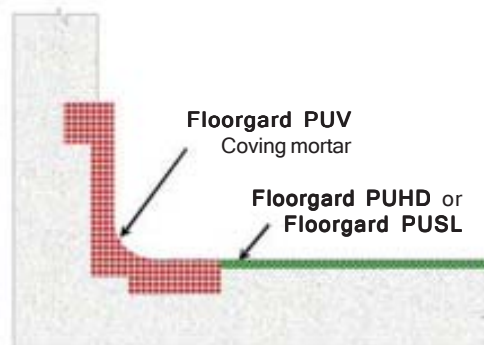
The components are preweighed. Do not split or change proportions of packs. Do not add to or remove anything from the mixes.

Stir Base (A) to redisperse any settlement. Add the Hardener (B) to the Base A container, then mix with a slow speed drill for not less than 1 minute. Transfer to a forced action mixer e.g. Cretangle, Collomatic and mix in the Filler (C) until uniform for not less than 3-4 minutes.

APPLICATION

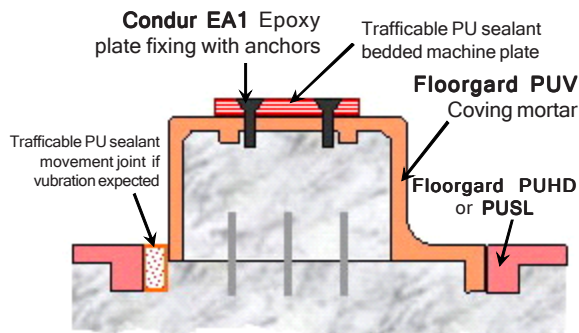
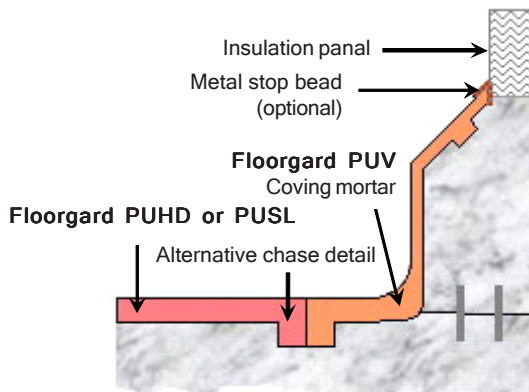
Floorgard PUV must be applied by trained specialist applicators. Apply immediately after mixing to the vertical edge of the cove. Then apply the base level to the edge of the floor and lastly place a fillet of mortar to form the cove and finish with coving trowel to radius.

**Cove first at the intersections
& after 24 hrs lav floor.**

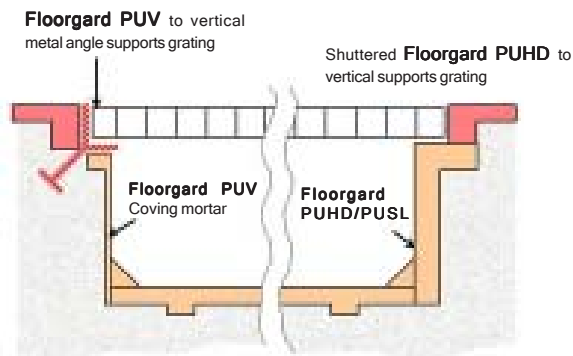


COVING SYSTEM

A POLYURETHANE COVING MORTAR FOR VERTICAL SURFACE



Machine Plinth Coated with Floorgard PU



Note: Floorgard PUV fillet is an optional

Lined Channel

CONSUMPTION RATES

Approximately 2.0 to 2.1 kg/m²/mm thickness (wastage not included).

CURING

20°C foot traffic 12 hours; vehicular traffic 24 hours.
30°C foot traffic 8 hours; vehicular traffic 16 hours.
Full cure 7 days.

CLEANING

Regular cleaning, both dry and wet using mechanical scrubbers or the use of hot water with detergent, will maintain the floors appearance and reduce soiling.

PACKAGING

Floorgard PUV is supplied in 25kg pre-measured sets, never add or remove any of materials from packs.

STORAGE & SHELF LIFE

Floorgard PUV can be stored for up to 9 months from manufacture date at 30°C providing stored above ground level, under cover in unopened original packaging, out of direct sunlight.

HEALTH & SAFETY

Gloves and eye protection must be worn during mixing and application. Standard precautions should be taken as with handling all chemicals. Consult and follow the product material safety data sheet. Material splashed onto naked skin should be immediately removed with soap and copious water before curing.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

Cormix International Limited

Regional Office,

89, Romklao Road, Sansab, Minburi, Bangkok 10510

Tel. (66 2) 917 3955-8, 543 8890

Fax. (66 2) 917 3959, 543 8891

<http://www.cormix.com> E-mail : mkt@cormix.com

NOTE : Every reasonable precaution is taken in the manufacture of all CORMIX-products to ensure that they comply with CORMIX's high standard of quality. The recommendations and properties of the product are based upon what is believed to be the most reliable information available, and are not intended as recommendations which infringe on other patents. Although all CORMIX-products are subject to rigid quality tests, no specific guarantee can be given, because results depend, not only on quality, but also on other factors beyond our control. We welcome therefore consultation in the event of doubt concerning application, or performance, and point out that oral recommendations, which vary from the instructions contained herein, are not binding without written confirmation by CORMIX. All transactions shall be subject to our terms and conditions of sale-delivery-and-service. This data sheet supersedes the previous one and a reprint may be issued without notice to supersede this edition, as and when deemed necessary. The information given in this leaflet is to the best of our knowledge true and reliable. Field service where provided does not constitute supervisory responsibility. Our guarantee is therefore limited to the quality of materials delivered.