

PUCRETE MF

Medium Duty 3K Polyurethane Floor for Aggressive Environments

**V
ER
TEX**

Formerly Pagel Pakistan Pvt. Ltd.

Description

PuCrete MF is a seamless 3K Polyurethane industrial flooring system with a smooth matt surface finish.

- High impact resistance and withstands abrasive wear for long service life.
- Good chemical resistance to organic acids, diluted mineral acids, vegetable and animal fats. Resists petroleum oil and solvents.
- Easy to maintain and anti-slip surface.
- Good thermal shock resistance with wide service temperature range of -5°C to 80°C.
- Hygienic- Contains state of the art anti-microbial additives. Impermeable to dirt and water, along with non-tainting properties.
- Low VOC – Does not taint food and ensures wellbeing of personnel.
- Moisture tolerant (vapor permeable).

Recommended Uses

- General Production areas and warehouses.
- Beverage and food processing units.
- Chemical plants.
- Pharmaceutical plants.
- Commercial kitchens.
- Hospitals.

 **LABORATORIOS
ARGENOL**

We use state of the art silver-ion antimicrobial agent, from Argenol Laboratories, which are added as an integral part of the floor. All our floor systems are designed in conjunction with Argenol.



ADMIXTURES

SPECIAL ADMIXTURES

SURFACE IMPROVEMENT

GROUTS

WATERPROOFING

FLOORING

INDUSTRIAL COATINGS

JOINT SEALANTS

REPAIR/CRACK INJECTION

TILING SYSTEMS

Technical Data

Type			PUCRETE MF
Color			Available in many RAL Colours
Mixing Ratio		A:B:C	1.5:1.5:7
Density (23°C/50% rel. Humidity)	BS 6319 : Part 5	Kg/mm ²	1.9
Compressive Strength	(BS6319)	N/mm ²	60
Flexural Strength	(BS6319)	N/mm ²	20
Tensile Strength	(BS6319)	N/mm ²	10
Viscosity (A:B)	28°C	mPAS	500 - 1000
Adhesive Bond Strength	(BS6319)	D	Concrete failure
Shore A / Shore D		CS17 (1000g load)	80 - 82
Abrasion resistance	ASTM D4060 Taber	24 Hr (g/m ²)	50mg loss per 1000 cycles
Vapor permeability	ASTM E96:90	3mm	3
Thermal resistance		6mm	-5°C to 60°C
Thermal conductivity	BS 874	W/m. °C	-5°C to 80°C
Dynamic E-modulus		N/mm ²	1.0
Minimum floor thickness		mm	13750
			3

Important Information:

Supplied in:	20 kg units.
Storage:	Dry, frost free area. Out of direct sunlight.
Shelf life:	12 months.
Hazard Class:	No dangerous goods. Consult MSDS for details.

Application Guidelines

Surface preparation:

Anything that can impair adhesion must be removed including any grease, oil, dust, curing compounds or any previous coating using grit ballasting, milling or grinding. Mechanical wire brush can be used for small areas. The aggregate must be exposed and any repair must be done prior to application using Vertex epoxy repair system. It is recommended that a suitable water-based primer such as Vertex EpoPrime EH2 be applied to the prepared surface with a medium pile roller for priming/sealing the surface.

Mixing:

Pour the Part B into the Part A and mix using a slow speed mixer (300-600 RPM), then pour the aggregate in the mixture until homogenous. Make sure the material at the bottom and sides of the container are well mixed.

Application:

Apply the mixed material using a pin screed, notched trowel or steel float and spread to the required level. The material should be rolled with a spiked roller to release entrapped air and removal of trowel marks. Rolling should be continued until all air entrapped is released. The applicator should always wear spiked shoes when walking on the material. Rolling should stop before the gel time is achieved.

Curing:

The curing of reactive polymers is affected in particular by the ambient temperature and sub-surface's temperature. Low temperatures slow the polymer's chemical reaction prolonging time for second coat and vice versa.

The information provided in this leaflet is supplied by our consulting service and is the end result of exhaustive research and extensive experience. However, it is without any liability on our part particularly regarding third party proprietary rights. This information does not relieve the user of the responsibility for verifying that the products and processes are suitable for the intended application. The data presented was derived from tests under normal climate conditions according to DIN 50014 and mean average values and analysis. Deviations are possible when delivery takes place. Given the recommendations may differ from those shown in this leaflet, written confirmation should be sought. It is the responsibility of the purchaser to ensure they have latest leaflet issue and that its contents are current. Our customer service staff will be glad to provide assistance at any time. We appreciate the interest you have shown in our products. This technical datasheet supersedes previously issued information.

VERTEX
Chemicals (Pvt.) Ltd.

Plot # 1-A Misc Zone,
Value Addition City,
Sahianwala Road Khurriawala,
Faisalabad, Pakistan.

Phone: +92 (0) 41 8507212-13
Fax: +92 (0) 41 850 7214
Email: info@vertexchemicals.pk
Website: vertexchemicals.pk

ISO 9001: 2008
APPROVED

