

Water-based Coloured Anti-skid Flooring System

DESCRIPTION

Krystal® Pave system is carboxylic polymer based waterborne anti-skid flooring system, with coloured steadfast skim coat finishing layer, applied in place of floor tiles, pebble wash, interlocking tiles or conventional cement screed as traffic top wearing surface. The surface texture of Krystal® Pave provides excellent anti-skid features to provide safety for human traffic. Reflective nature of crystal enables colour to remain vibrant even under weathering and aging conditions causing.

SCOPE OF APPLICATION

- Pedestrian Walkway
- Common Areas
- Cycling Track

PRODUCT FEATURES

- Matt Finishes
- Environmental Friendly
- High Wear Resistant and Durable
- Excellent Anti-skid/slip Performance
- Colour Steadfast
- High UV-resistant
- Non-stain and Non-corrosive
- Wide Colour Range
- Dry Service Temperature up to 80°C

PERFORMANCE DATA

- Slip Resistance Value (Wet): 47 BPN
- Wear Resistance (Abrasion): $\leq 57.9\text{mg}$
- Pencil Hardness: 2H
- Adhesion Strength
 - ❖ Concrete Substrate: 2.94N/mm^2 [1]
 - ❖ Metal Substrate: 8.22N/mm^2
 - ❖ Asphalt Substrate: 0.98N/mm^2 [2]
- [1] Concrete Failure; [2] Asphalt Failure
- Stain Resistance
 - ❖ Used Engine Oil: Class 5
 - ❖ Olive Oil: Class 5

- ❖ Coffee with Milk: Class 4
- ❖ Black Rubber Hose: Class 4
- 1000 hrs UV Accelerated Test: Grey Scale of 5.0
- 500 hrs Salt Spray Test: No tusing and blistering

POT LIFE

Pot life will vary according to the quantity mixed, ambient and substrate temperature.

Primer:	1 hr
Moisture Barrier:	2 hrs
High Penetrative Primer:	1 hr
Krystal® Base:	1 hr
Krystal® Top:	1 hr

(All at 23°C)

COVERAGE

Primer:	0.32 kg/m ²
Moisture Barrier:	0.45 kg/m ²
High Penetrative Primer:	0.16 kg/m ²
Krystal® Base:	0.15 kg/m ²
Krystal® Top:	0.15 kg/m ²

CURING

Primer:	2 hours
Moisture Barrier:	24 hours
High Penetrative Primer:	24 hours
Krystal® Base:	4 hours
Krystal® Top:	4 hours

CHEMICAL PROPERTIES [1]

	Primer	Moisture Barrier
VOC(g/L)	N.D.	N.D.
Halogenated Solvent	N.D.	N.D.
Aromatic Solvent	N.D.	N.D.
Heavy Metals	N.D.	N.D.

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Epichlorohydrin	N.D.	N.D.
NMP	N.D.	N.D.
Formaldehyde	N.D.	N.D.
APEO	N.D.	N.D.
Flash Point (°C)	>61.0	>61.0

	High Penetrative Primer	Krystal® Base	Krystal® Top
VOC(g/L)	16.19	5	5
Halogenated Solvent	N.D.	N.D.	N.D.
Aromatic Solvent	N.D.	N.D.	N.D.
Heavy Metals	N.D.	N.D.	N.D.
Epichlorohydrin	N.D.	N.D.	N.D.
NMP	N.D.	N.D.	N.D.
Formaldehyde	N.D.	N.D.	N.D.
APEO	N.D.	N.D.	N.D.
Flash Point (°C)	>61.0	>61.0	>61.0

N.D.: Not detected (<Reporting Limited)

NMP: N-methyl Pyrrolidinone

APEO: Alkyl Phenol Ethoxylate

SHELF LIFE

Krystal® Pave may be stored in tightly sealed original containers for 6 months in controlled environments.

PRECAUTIONS

Application of subsequent layers to only commence after the previous layer is cured. The amount of water to add is a basic guideline; mix to workability. Read all safety directions and warnings on this before use. Refer to material safety data sheet for handling procedures. Suggest wearing respirator mask, chemical protective glasses, toxic overalls and impermeable gloves. Distance from all fire source, heat, and do not smoke in the area during the course of the application. Ensure adequate ventilation.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication are based on the present state of our best scientific and practical knowledge. The use of product is not under control of the manufacturer. It is not a sales specification or an indication of suitability for particular use. The product is complied with the regulation for indoor renovation material under toxic chemical substances. B. T. Sports Pte Ltd reserves the rights to change the natural of the product.