

Water-based Coloured Anti-slip Sports Flooring System

DESCRIPTION

Krystal®Sports multi-purposed sports coating system which incorporates the extreme hardness of recycle glass granules with modified acrylic to product a composite, hard wearing, anti-slip and durable sports coating system. With these Krystal®Sports coating properties, it can withstand vehicular load yet meeting games-play requirements. Krystal®Sports can be installed over existing car park to create a “Dual Usage” space. It is suitable for both outdoors and indoors. Krystal®Sports provides a hard-wearing sports performance condition throughout its life cycle.

SCOPE OF APPLICATION

- Multipurpose Sports Hall
- Basketball Courts
- Volleyball Courts
- Badminton Courts
- Street Soccer Courts
- Netball Courts

PRODUCT FEATURES

- High wear resistance
- Environmentally Friendly
- High Wear Resistant and Durable
- Excellent slip Performance
- Colour Steadfast
- High UV-resistant
- Non-stain and Non-corrosive

PERFORMANCE DATA

- Slip Resistance Value (Wet): 45 BPN
- Wear Resistance (Abrasion): 90mg
- Pencil Hardness: 2H
- Adhesion Strength
 - ❖ Concrete Substrate: 2.94N/mm² [1]
 - ❖ Metal Substrate: 8.22N/mm²
 - ❖ Asphalt Substrate: 0.98N/mm² [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®Sports Base:	1 hr
Krystal®Sports 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®Sports Base:	0.15 kg/m ²
Krystal®Sports Top:	0.15 kg/m ²

CURING

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

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CHEMICAL PROPERTIES

	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.
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® Sports Base:	Krystal® Sports 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®Sports 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.