

Solvent-free Polyurethane Based Sports Flooring System (7+2) mm

DESCRIPTION

Krystal® Pro Indoor/Outdoor Flooring System is design to absorb the shock and noise during games play. This high impact Krystal® Pro system when compressed returns to its original condition in minimal time. It is also highly resistant to wear and tear conditions. Prevents injuries to ankle joints and damage to ligaments. Also prevents muscle fatigue. It is a seamless, even and uniform elasticity, and capable of taking all types of sports and street foot wears.

SCOPE OF APPLICATION

- Basketball Court
- Badminton Court
- Netball Court
- Gym/ Aerobic Room

PRODUCT FEATURES

- Applicable to Indoors/ Outdoors
- Environmentally Friendly
- High Wear Resistant and Durable
- Colour Steadfast
- High UV-resistant
- Non-stain and Non-corrosive

SPORTS PERFORMANCE DATA

No	Test Items	Test Results
1	Rebound, %	98
2	Shock Absorption, %	31
3	Vertical Deformation, mm	1.4
4	Slip Resistance on Wet, BPN	103.8
5	Resistance to Rolling Load, mm	0.25

6	Abrasion Resistance, mg/1000 cycles	510
7	Resistance to Impact	No Delamination
8	Resistance to Indentation, mm	0.21

POT LIFE

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

Primer:	1 hour
Cushion Base Layer:	1 hour
Elastic Sealer:	1 hour
Elastic Layer:	1 hour
Firm Deck:	1 hour
Krystal® Top:	1 hour

(All at 23°C)

COVERAGE

Primer:	0.32 kg/m ²
Cushion Base Layer:	9 kg/m ²
Elastic Sealer:	1.5 kg/m ²
Elastic Layer:	3 kg/m ²
Firm Deck:	0.15 kg/m ²
Krystal® Top:	0.15 kg/m ²

CURING

Primer:	1 hour
Cushion Base Layer:	24 hours
Elastic Sealer:	8 hours
Elastic Layer:	8 hours
Firm Deck:	4 hours
Krystal® Top:	4 hours

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CHEMICAL PROPERTIES

	Primer	Cushion Base	Elastic Sealer/ Elastic Layer
VOC (%)	N.D.	0	0
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

	Firm Deck	Krystal® Top
VOC (%)	0	0
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

N.D.: Not detected (<Reporting Limited) NMP:
N-methyl Pyrrolidinone
APEO: Alkyl Phenol Ethoxylate

SHELF LIFE

Krystal® Pro 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.