SHUNDA POLYURETHANE LTD

WAKANDA SHIELD 150

TECHNICAL DATA SHEET

DESCRIPTION

Wakanda Shield 150 is an elastomer material which is made of A and B two-component raw materials and sprayed by high temperature, high pressure, and impact mixing equipment. Wakanda Shield 150 can be used alone or in combination with other materials for special occasions such as outdoor high-end speaker cabinet, outdoor high-end furniture, pickup wear-resistant lining, mobile phone cover, SUV exterior protection & decoration, etc. Wakanda Shield 150 can form tough coatings of different thicknesses and can be applied to various occasions and treated with suitable substrates, especially suitable for super protection, decoration under extremely harsh environmental conditions.

APPLICATIONS

- Outdoor high-end speaker cabinet
- Outdoor high-end furniture
- Wear-resistant lining of pickup trucks
- Mobile phone covers
- SUV bodies, etc. Green roofs

NOTE: Please contact our technical department for information on applying this product to other substrates or for additional information on usage scopes.

ADVANTAGES

- Fast cure, short down time, no sagging
- Excellent Physiochemical Properties
- Bondable and paintable to various kinds of substrates
- Ambient insensitive, good thermal stability
- No VOC's, Odorless, No Toxic Vapors
- Good resistance to a wide range of chemical attack
- Excellent Skidding Resistant, Anti-corrosion and Waterproof Properties
- Good weather ability, Added color stability
- Seamless, flexible, slick and non-porous
- No chalking and fading in long-term use outdoors

TYPICAL PHYSICAL PROPERTIES

Physical Properties	Value
Tensile Strength /MPa	≥20
Elongation/%	≥180
Tear Strength/(N/mm)	≥60
Shore Hardness	50-60D
Density/(g/cm3)	0.95～1.05
Abrasion Resistance /(GB/T 1689-1998, cm3/1.61km, mg)	≤0.15
Impermeability(0.3MPa/30min)	Impervious
Chemical Resistance	No corrosion, No Blister, No Spalling
Low Temperature Flexibility	No Cracking
VOC	0
Gel Time/s	≤5
Tack Free/s	≤10
Recommended Spreading Thickness/mm	1~3

Note: Mix ratio is 1:1 by volume

Importance: The above-mentioned values are typical test results, and specific data may vary slightly due to environmental conditions. The data provided for our products are not legally binding.

PACKING SPECIFICATION

- Component A: 220KGS/drum
- Component B: 200KGS/drum

SHELF LIFE

12 Months, unopened at-15~25 ºC.

Provided that the product is stored in a dry place, it must be used once the drum has been opened.

NOTES

- Our product is intended for industrial use by properly trained professional applicators only.
- Thoroughly mix container of B component with an air-driven power mixer for a minimum of 30
- minutes prior to application.
- Adding a nitrogen blanket is strongly recommended for use on the “A” component for storage
- after opening.
- The quality and fitness of the product is depending upon the proper mixture and application of the
- component by the applicator.

TECHNICAL ASSISTANCE

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