

BC-DECK UV AS

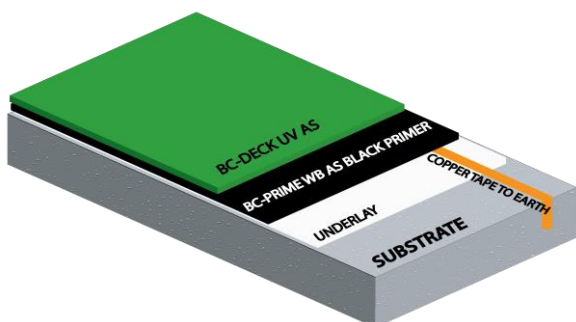
A TWO COMPONENTS POLYESTER BRANCHED ESD POLYURETHANE COATING

DESCRIPTION:

BC-DECK UV AS is a colored; gloss, matt, satin ready to use solvent base two component ESD coating based on high quality polyester branched polyurethane resin. polyester branched polyurethane resin.

PRODUCT FEATURE:

BC-DECK UV AS is high-tech manufacturing requires flooring with conductive properties, and use for GMP, Hygienic where the subjected to medium traffic, impact and surface is required without the risk of static build up floor. Areas use for military arsenal, ammunition dump, electronic, semi-conducting device areas, high power station and explosion risk plants. Clean Room, warehouse, Assembly Automotive Plant, Electronic Plant, Research and Development Lab.



BENEFITS:

- Seamless, monolithic application
- Hygienic, easy to clean.
- High chemical resistance to wide range of chemical.
- Abrasion resistance, against light or high traffic and trolley movement
- Hard wearing floors.
- Wide range of colors.
- Ultra violet heat resistance extreme weathering exposures.
- To eliminate electrostatic discharge from human body, trolley and vehicles. [Comply to British Standard BS 2050]

COLORS:

- RAL K5 Classic color chart available

FINISHING:

- Gloss, Matt, Satin

TECHNICAL DATA

Density at 28°C g/ml(mixed)	1.3 ±0.05g/ml
Adhesive strength	1.5 N/mm (Concrete failure)
Abrasion resistance	1000 cycles weight loss 5mg
Water Permeability	Nil-Karsten test (impermeable)
Recommended dry film thickness	±80µ
Solids Content	70%
Thinner (5%±)	BC-Deck UV Thinner
Cleaner	BC- Washing Thinner
Relative Humidity	<88°C
ASTM D 4060 -10 Taber Abraser	37mg
Wear Index in mg/1000 revolutions/1kg	
BS476:Part 6: 1989+A1:2009 (Fire Propagation Index (I))	<2.0
ESD Floor Main Checking Criteria & Spec :	
Surface to Ground (Earth) Rg Spec (BS-2050)	1E+4Ω ~ 1E+9 Ω (1-9 x 10 ⁴ Ω to 1-9 x 10 ⁹ Ω)
Surface to Surface (Earth) Rs Spec (BS-2050)	1E+4Ω ~ 1E+9 Ω (1-9 x 10 ⁴ Ω to 1-9 x 10 ⁹ Ω)
Decay Time Through Human Body	Spec: < 20 sec
Complied ANSI/ESD S-20.20-2007	< 100 VOLTS
Human Body Voltage (HBM)	
System Resistance	<3.5E + 7ohm Ω
Mixing ratio by weight	Part A : Part B
Gloss / Satin	4 : 1
Matt	5.5 : 1
Pot life at 30°C	2 hours
Shelf life & storage (unopened and in good conditions temperature 10°C to 30°C)	12months
Material Consumption (mixed)	0.125kg/m ²
Packaging	6.5kg
Recoating time	12 hours min @ 30°C 48 hours max @ 30°C

Curing time:

	20°C	25°C	32°C
Human traffic	24hrs	22hrs	20hrs
Light traffic	36hrs	34hrs	24hrs
Fully chemicals cure	10days	7days	7days

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SUBSTRATE REQUIREMENT & PREPARATION:

Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm². The substrate should be clean and free from laitance, oil, dust, loose constituents, paint residues, chemicals, algae and other contamination should be removed. The substrate should be dry and free from ground water pressure. If substrate moisture exceeded 4%, apply BC-GARD EM (Epoxy mortar) (Compressive strength 60N/mm²) 4-5mm thick or apply BC-CEM MB 2-3mm thick as a moisture barrier. The substrate must be prepared by vacuum shot blasting, rough contaminations to remove by grinding. Cracks and hallows should be properly remedied. Prepare grooves 3mm wide x 3mm deep at all edges, bay joints columns, doorways and drains for anchoring purpose.

MIXING :

Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 RPM high power mixer), then add all of Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous, then slowly add 5% of BC-Deck UV ANTI STATIC Thinner (if need) while mixing continues for a further one minute 30 seconds until a fully homogenous mix has been achieved.

APPLICATION :

By rolling, brushing or spraying. As finish we recommended to roll in one direction back roll with a wide short-pile mohair roller.

TEMPERATURE CONDITIONS OF APPLICATIONS:

- Do not apply when the relative humidity exceeds 90% on when the surface to be coated is less than 5% above the dew point.
- Do not apply temperatures below 5°C and temperatures above 40°C

Maintenance and care after cure :

We recommend basic cleaning and maintenance will prolong the life of polyurethane floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

Further Information :

Warning and precautions information relating to the safe handling of this product should be found in Material Safety Data Sheet. To be advise to put on suitable clothing and eye-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.

Important Note :

Best Crete product are warranty against defective materials. Due to different substrate and working conditions, no guarantee of an application result or any liability claims. The users are required to have a test ahead based on their intended use.