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## DELTA OXYFLOOR UV HYBRID FOOD GRADE

### DESCRIPTION

Delta Oxyfloor UV Hybrid Food Grade is one-components, modified Spectro curable polymer with aliphatic hybrid material topping. The curing process requires Spectro rays and immediately after the curing process with Spectro, the area is ready to use. Delta Oxyfloor UV Hybrid has special characters like chemical resistance, excellent abrasion resistance that rarely others polymers have.

### RECOMMENDED USE

Finish coat for heavy duty flooring system in chemical, pharmaceutical, food and beverages or other industries (PASS – FDA 21 CFR 175.300).

### CHARACTERISTICS

- Excellent industrial chemical resistance
- Excellent impact resistance
- Excellent flexibility
- Good abrasion resistance
- Easy to clean
- In second curing

### BASIC DATA

Motive/Colour	Hammer tone - Clear
Gloss Level	Semi - Gloss
Volume Solid	100%
Dry Film Thickness	80 microns - 100 microns per coat
Theoretical Spreading Rate/ Coverage	Approx. 0.11 kg/m <sup>2</sup> for 100 microns
Pack Size	4 kg
SG - Mix	Approx. 1.10 kg/m <sup>3</sup>
Hardness – Mohs Scale	4 - 5
Shelf Life	At least 6 months when stored cool and dry



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## PHYSICAL PROPERTIES

Compressive Strength	> 70 N / mm <sup>2</sup> (28 days) 10.150 psi
Bonding Strength	>1.5 N / mm <sup>2</sup> (concrete failure) or 300 psi (ASTM D- 4541)
Abrasion Resistance	1000 g, 1000 cycles, 60 RPM Wear index = 12,2 mg (ASTM D-4060 CS-10 Wheel)
Flexural Strength	>25 N / mm <sup>2</sup> (28 days) or 3600 psi (ASTM C-580)
Shore D Hardnes	81 (7 days) (ASTM D 2240/Shore D)
Tensile Strength	2000 psi (ASTM C – 307)

## CHEMICAL RESISTANCE

Gasoline, Petrol	Excellent
Alcohols, Ketones	Excellent
Caustic soda	Excellent
Amonia	Excellent
Nitric Acid	Excellent
Sulphuric Acid	Excellent
Acetic Acid	Excellent
Oxidizing Agents	Excellent
Amines	Excellent
Phosporic Acid	Excellent
Water, Beer, Oil	Excellent

## SUBSTRATE CONDITION

Unless specially water-reduced, the floor should be at least 28 days old and give a hygrometer reading not exceeding 80% RH and moisture content should be less than 5%.  
The temperature of the substrate must be at least 3°C above the current dew point temperature. Dry removal of laitance by light grit-blasting is preferable but, where this is not feasible, treat with Acid Etch, followed by thorough rinsing with water and complete drying. Dust and other debris should then be removed by vacuum brush.



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## INSTRUCTION FOR USE

### Primer Coat

Apply primer coat Delta Oxyfloor Primer (MT) or other Delta Oxyfloor Epoxy Primer, use a low speed electrical stirrer mixer. Firstly stir comp A quickly before mixing, mix one set Delta Oxyfloor Primer (MT) for at least 3 minutes until the mix homogeneous poured the material onto to the substrate and spread the mixed material using a squeegee & paint roller, allow to curing time 24 hours (overnight) before continued next step.

### Body Coat

Apply Body coat Delta Oxyfloor Top Coat 2 Komponen/Delta Oxyfloor PU Top Coat, use a low speed electrical stirrer mixer. Firstly stir Base quickly before mixing, mix one set Delta Oxyfloor Top Coat 2 Komponen/Delta Oxyfloor PU Top Coat for at least 3 minutes until the mix is homogeneous. Poured the material onto the substrate and spread the mixed material using a toothed trowel or spreading blade then deaerate with spiked roller. Protect coated area for at least 6 - 12 hours after laying from traffic, rain, etc before top coating Delta Oxyfloor UV Hybrid Food Grade.

### Top Coat

Apply Top coat Delta Oxyfloor UV Hybrid Food Grade does not stirring or mixing. Poured the material onto the substrate and spread the material using a toothed trowel or rubber squeegee and roller by using brush roller before the curing process with Spectro. After the curing process with spectro, the area can be used immediately.

### Brush/Roller

Recommended to use

## STORAGE AND HANDLING

The product must be stored in accordance with national regulation. Delta Oxyfloor UV Hybrid Food Grade is photosensitive. The product must not be exposed to direct sunlight or full spectrum fluorescent lighting. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from the source of heat and ignition. Containers must be kept tightly closed. Handle with care, stir well before use.

## SAFETY PRECAUTION

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in a cool, ventilated area when not in use.

Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined and enclosed space, such as tank interior and building.