

OASDECK 2000

High-solids polyurethane waterproofing, traffic bearing membrane systems for vehicular areas

DESCRIPTION

OASDECK 2000 is a liquid applied, crack bridging traffic deck waterproofing system based on polyurethane technology. It consists of a primer, a hand applied elastomeric waterproofing membrane, a polyurethane wear coat and a weather resistant finish. It has a low odor and is VOC compliant.

RECONDED USES

- Suitable for exposed decks, intermediate decks and ramps where crack bridging and wear resistance are required.
- Suitable for pedestrian traffic solutions

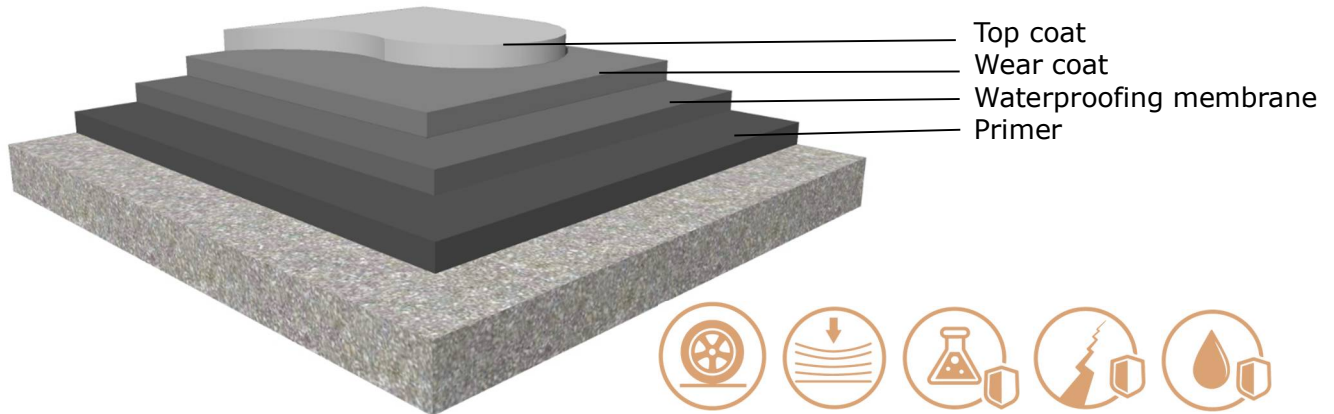
SYSTEM HIGHLIGHTS

- Excellent crack bridging and flexibility
- Fast return to service
- UV and weather resistant
- Low odor and high-solids
- Dual layer system with waterproofing membrane and wear coat

SYSTEM BENEFITS

- Excellent wear resistance
- Chemical resistance
- Seamless
- Easy to clean and maintain

SYSTEM for CONCRETE



APPLICATION Total thickness of the system 3.0-4.0 mm

High performance

Layer	Product	Consumption kg/m ²	Thickness
Primer	OASPRIMER 203	0.3-0.5	
Membrane	OASLASTIC 870	2.0-2.6	1.5-2.0 mm
Wear layer	OASFLOOR 401	1.5-2.1	1.0-1.5 mm
Finishing layer	OASFLOOR TC-683	0.13-0.15 per coat	2 coats

Manufacturer:

CHINGTAI RESINS CHEMICAL CO., LTD.

No. 50, Gong 2nd, Dajia Dist., Taichung City 43769, Taiwan
Version:20210226-1331

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Good performance

Layer	Product	Consumption kg/m ²	Thickness
Primer	OASPRIMER 203	0.3-0.5	
Membrane	OASLASTIC 850	2.0-2.6	1.5-2.0 mm
Wear coat	OASFLOOR 830	1.4-2.0	1.0-1.5 mm
Top coat	OASTOP 271	0.15-0.20 per coat	2 coats

※ Correct substrate preparation is critical for optimum performance.

※ Porosity and texture of the surface will affect the amount of material necessary for effective treatment

※ The consumption is depending on the conditions on site and of the prepared sub-base.

Substrate preparation

- New concrete should be cured for at least 28 days, structurally sound.
Substrates to be coated must be firm, dry, load bearing and free of loose and brittle particles and substances, which impair adhesion such as oil, grease, rubber skid marks, previous coatings, laitance or other contaminants.
- Repair and patch voids, shrinkage crack, joints and delaminated areas.
- After the pre-treatment, the bond strength of the concrete must be at least 1.5N/mm².
- The moisture level of substrate must not exceed 10%.
- The temperature of the substrate must be at least 3°C above the current dew point temperature.

Application of primer

- Porosity and texture of the surface will affect the application and amount of primer for effective treatment.
- All surfaces which are to be coated with OASPRIMER 203 must be surface dry, free of contamination such as curing compounds, concrete sealers, bond breakers, paint, etc. All surfaces must be sound.
- OASPRIMER 203 is supplied in working packs which are pre-packaged in the exact ratio.
- After thoroughly vacuuming the surface, mix both components with a slow-speed drill for a minimum of 3 minutes.
- Apply OASPRIMER 203 to all the properly prepared surface with a paint roller or squeegee at a rate.
- Allow curing time of overnight. Extend the curing time in cool or dry weather conditions.

Application of waterproofing membrane

- OASLASTIC 870/850 is supplied in working packs which are pre-packaged in the exact ratio.
- Stir part A with a mechanical drill and paddle at a low speed (ca.300-400 rpm) for 3-4 minutes until a homogenous color is achieved without causing air bubbles before mixing part A and B.
- OASLASTIC 870/850 is poured onto the prepared substrate and spread with a notched squeegee or spreader to achieve the desired thickness.
- Allow curing time of overnight (12-16 hour minimum). Extend the curing time in cool or dry weather

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Application of body coat

- All preparatory work must be completed before application begins. Be certain the substrate is clean, dry, stable and properly profiled.
- **OASFLOOR 401/830** is supplied in working packs which are pre-packaged in the exact ratio.
- Stir part A with a mechanical drill and paddle at a low speed (ca.300-400 rpm) for 3-4 minutes until a homogenous color is achieved without causing air bubbles before mixing part A and B.
- **OASFLOOR 401/830** is poured onto the prepared substrate and spread with a notched trowel to achieve the desired thickness.
- To release trapped air and assist with the smoothing operation roll the material within 5 minutes after it is levelled.
- Allow curing time of overnight (6-8 hour minimum). Extend the curing time in cool or dry weather conditions.

Application of finishing layer

- **OASFLOOR TC-683/OASTOP 271** is supplied in working packs which are pre-packaged in the exact ratio.
- All preparatory work must be completed before application begins. Be certain the substrate is clean, dry, stable and properly profiled.
- Stir part A with a mechanical drill and paddle at a low speed ca.300rpm for 3-4 minutes until a homogenous color is achieved without causing air bubbles before mixing part A and B.
- As a rule, **OASFLOOR TC-683/OASTOP 271** is applied in two coats
- The application method:
 1. Spread evenly the mixed **OASFLOOR TC-683/OASTOP 271** on the primer using a rubber squeegee and backroll cross-wise.
 2. Allow the first coat to dry until tack-free.
 3. Apply the second coat of **OASFLOOR TC-683/OASTOP 271** with a roller.

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