

OASLASTIC 112 Green

Technical Data Sheet

One component polyurethane waterproofing membrane

DESCRIPTION

OASLASTIC 112 Green is a moisture-cure waterproofing material. It cures to form a tough, highly elastomeric and impervious membrane. This product is suitable to apply by roller, trowel and spray.

PRODUCT HIGHLIGHTS

- One component product, easy to apply
- Excellent water resistance and water immersion resistance
- It can be applied by a brush, a roller, a trowel and spray.
- Excellent resistance to aging and cracking
- Excellent adhesion
- Suitable for any types of waterproofing application

RECOMMENDED USES

- Water proof construction: factories, mansions, barracks, etc.
- Impervious project: external or internal walls, basements.
- Indoor or outdoor floors, waterproof parking lots.
- Indoor or outdoor aisles, square, stadiums waterproof floors etc.

TYPICAL PROPERTIES

Item	Property
Composition	1.4-2.8 kg/m ² 1-2mm in 2 coats
Recoating interval (25°C 50%RH)	12 above hrs in 2 mm
Curing time (25°C 50%RH)	7 days
Pot life (25°C 50%RH)	Under 90 mins
Specific gravity	1.4~1.45 Test in Lab

PHYSICAL PROPERTIES

Property	Results	Test method
Hardness	30-35 A	ASTM D 2240
Tensile strength	35 kgf/cm ² ↑	ASTM D 412
Elongation	700% ↑	ASTM D 412
Tear strength	12 kgf/cm ↑	ASTM D 624
100%Elastic modulus	3 kgf/cm ² ↑	Test in lab
Aging test		
Hardness	±5 A	Test in lab
Tensile strength	30 kgf/cm ² ↑	Test in lab
Elongation	600% ↑	Test in lab
Tear strength	10 kgf/cm ↑	Test in lab

Manufacturer:

CHINGTAI RESINS CHEMICAL CO., LTD.

No. 50, Gong 2nd, Dajia Dist., Taichung City 43769, Taiwan

Version:20210620-1133

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Property	Results	Test method
Maximum VOC limit value(G/L)	150 g/L ↓	ASTM D2369
Solid content(weight)	90% ↑	Test in lab
Shelf life	9 months	Test in lab

*** Note: Results are based on the temperature of 25°C; relative humidity is below 50% and allowed to cure for 7 days.

SYSTEM BUILD UPS

OASROOF 700 (Flat roofs and gutters)

- Primer **OASLASTIC 112**
- Waterproofing layer **OASLASTIC 112**
- Finishing layer **OASLASTIC TC-172**

PACKAGING & STORAGE

OASLASTIC 112 Green is available in 20 kg.

- The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between 0°C and +25°C. Higher storage temperatures may reduce shelf life of product.
- Store under cover out of direct sunlight and protect from extremes of temperature.
- Shelf life: See label on the package according to the above conditions.

APPLICATION METHOD**• Surface Preparation**

All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean of oil, grease, paint stains and other adhesion impairing contaminants. Profile mechanically the surface by shot blasting, high-pressure water jetting or other suitable mechanical preparation method. After surface preparation, the pull off value of the substrate should exceed 1 N/mm² (check with an approved pull-off tester). Temperature of the substrate should be minimum +5 °C and maximum +35 °C.

• Primer

Suitable primer for using OASLASTIC 112 on concrete. Refer to TDS for application guidelines.

Before the surface application, all detail areas and any singular points like wall-floor connections, chimneys, joints, substrate cracks, penetrations, corners, etc., must be treated.

In some circumstances, other primers may be more appropriate. For further details, please consult your local sales office.

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- **Application**

All preparatory work must be completed before application begins. Be certain the substrate is clean, dry, stable and properly profiled. Sealants and pre-striping should be properly cured. Pour the OASLASTIC 112 onto the primed substrate and spread with roller, trowel or spreader (rubber or steel) within the recommended over coating times. Allow curing time of overnight (8-hour minimum). Extend the curing time in cool or dry weather conditions.

- **Top coat**

OASLASTIC 112 does not have sufficient UV and weather resistance to be used in exposed applications without protection. In exposed applications, apply one or two coats of OASLASTIC TC-172. Refer to TDS for application guidelines.

LIMITATION

- Do not apply to wet, contaminated or friable substrates.
- The temperature below 15°C will retard the curing.
- The coverage will depend on the condition of the surface.

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do

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