

# OASIIS case study

>> Manufacturing Plan in Thilawa Special Economic Zone in Myanmar



## Object: Manufacturing plant of Marketech Integrated Construction Co., Ltd. (MIC)

Myanmar is experiencing a gradual migration process of people moving from rural to urban areas and in the midst of sweeping political and economic reforms. MIC has expanded business to Myanmar and built manufacturing plants in Thilawa Special Economic Zone in Yangon.

The top floor of the plant is deck construction with concrete roofing. In addition, concrete bases used to support solar panels were constructed on the surface.

## Problem Definition

The installation of solar panels created many screw connections on concrete bases and the coves between flat surface and bases all brought the building at high leaking risk.

Rain season spans half year in Yangon. To prevent the leaks from the flat concrete roof in 6 months raining condition, an effective and long-lasting refurbishment were required.



## Requirements:

Stain had shown on the interior of the deck and water had entered the structure. Totally sealing and patching cracks, joints/coves between concrete bases and concrete flat surface including all tapped connection holes was the most important pre-works before application. The new waterproofing treatment had to protect concrete from weather damage and protect manufacturing areas below from water damage.

# OASIIS



## Waterproofing solution: OASROOF

OASROOF bonds directly to concrete to provide a seamless, elastomeric, UV-stable membrane that cannot be delaminated. This offers distinct advantages over partially bonded, layered liquid, sheet membrane, or hot applied materials. The waterproofing seamless of OASROOF completely protects the buildings out of leaking and extend the life of the buildings and reinforcing steel.

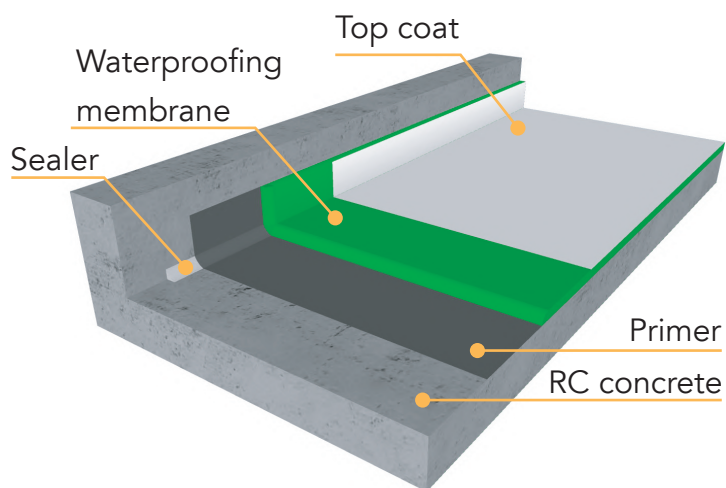
**OASLASTIC TC-172** - one component, moisture-curing polyurethane top coat

**OASLASTIC 112** - one component, moisture-curing waterproofing

**OASPRIMER 138** - one component polyurethane primer

**OASEALANT 221** - polyurethane sealant

## SYSTEM BUILD-UP



## Structure and system components

Top coat	OASLASTIC TC-172
Waterproofing membrane	OASLASTIC 112
Primer	OASPRIMER 138
Sealer	OASEALANT 221
Substrate	RC concrete, RC concrete piers

## SYSTEM BENEFITS

- High solid polyurethane membrane
- Excellent flexibility
- Easy apply and maintain
- Seamless and uniform coat
- Heat reduction in top coat

## SYSTEM HIGHLIGHTS

- Excellent water impermeability
- One component and cold applied - easy to use and maintain
- Weather resistant
- Color stable top coat - aesthetic appearance

# OASIIS