

Karabük University Stadium, Turkey

POLYUREA

Client	YDA-ARAS Business Partnership
Coating Contractor	ICON İNŞ. MÜH. LTD. ŞTİ.
Project	Karabük Stadium
Area	16.000m ²
Construction	May, 2013
VIP System	Quick Spray Industrial



Project Description

YDA-ARAS Business Partnership required a fast curing surface coating system with high mechanical abrasion resistance, no VOC contents, no cracking and stable features for refurbishment of Karabük Stadium. Application with 1:1 heated, high pressure, plural component equipment. Pressure of time for fast completion and cost advantages favoured Quick Spray Industrial (aromatic), 2-component 100% Polyurea system derived from a reaction of an Isocyanate and an Amine terminated resin.

Processing took place in 4 steps:

1. Concrete was prepared and cleaned of any residues that may have affect to bonding.
2. Surface was primed and adhesion improved.
3. The aromatic 100% Polyurea Quick Spray applied with heated, high pressure spray equipment.
4. Polyurethane painting applied as a Top coat finishing for UV resistant.

The complete process of surface-preparation and application of base coat was successfully completed within 4 months.

