



## Advantages

- ▶ High corrosion protection (up to C3-m at 80 µm) in single-layer applications
- ▶ Possible drying by IR emitter
- ▶ Faster post-processing and transport due to rapid drying and water resistance
- ▶ Meets all common requirements for emissions and environmental protection
- ▶ user-friendly thanks to highest stability and one-component
- ▶ available in all colours

## Single-layer coating of production cranes

### 1K-Hydro single layer paint silk matt

#### WE 76-1004/5

Demag Material Handling Services is a global manufacturer of process and transport cranes. For the seat of Slaný / Czech Republic, only the Hydro-Coating System could be considered. Due to limited space conditions, the possibility of further processing (3 h / room temperature) and quick water resistance (24 h / room temperature) must be guaranteed. The demanding articulation of the building requires extremely high paint stability.

With WE 76 it was possible to present a single-layer, safe-to-use solution that meets all requirements (including C3-m).

## Painting process description

### Painted objects

Process and transport cranes

### Material

Steel SA 2,5

### Painting equipment

Automatic side application device, Airmix

### Painting process

- ▶ Pre-treatment: sandblasting SA 2,5
- ▶ Blower
- ▶ Painting
  - Automatic continuous application equipment, through the side painting machine
  - 30 min. Exhaust
  - Automatic passage through the IR tunnel (2 m / min)
  - Dry layer thickness 80 - 150 µm
- ▶ Drying
  - 3 hours at room temperature before further working
  - 24 hours at room temperature before outdoor storage

## Features / Approvals

- ▶ Standard Demag Cranes 010 953 99 Approval of deliveries by Terex MHPS GmbH
- ▶ 240 h salt solution resistance test according to EN ISO 9227: 2006 (NSS) after 1 h and 24 h regeneration degree of rust <Ri1
- ▶ 240 h exposure to condensed water according to EN ISO 6270-2: 2005 after 1 h and 24 h regeneration degree of rust <Ri1

## Material used

WE 76-1004/5

1K-Hydro single-coat silk matt

