

# Outstanding rust protection processes

Exceptional rust and corrosion protection, outstanding resistance to wear.

## Rust protection processes

### Step 1: Sandblasting

External surfaces of all modules undergo complete sandblasting to remove any contaminants such as mill scale, welding gases, oil or other residue. We use a centrifugal steel shot blasting system which blasts a mixture of steel grit and steel shot simultaneously to remove contaminants. If the steel is not properly cleaned, paint will flake and wear away, diminishing its appearance, exposing the scale to the elements and shortening its lifespan. Although paint can initially hide much of this residue on a lower quality weighbridge, it will quickly appear once in the field. We use an intense cleaning process to remove all foreign materials and residue before painting to ensure proper bonding of the paint.

**Sandblasting Cleaning:** Sa2.5

**Surface Roughness:** 30~75µm

### Step 2: Protective coating

All non-visible steel surfaces are evenly sprayed with an asphalt emulsion coating to protect the steel from internal moisture due to high humidity, excessive rain or standing water under the scale.

### Step 3: Epoxy primer

Once the steel is properly cleaned and prepped, all visible surfaces receive a 4 mil thick coat of high performance epoxy primer. This primer has excellent adhesion to steel, high color retention, rust and corrosion resistance.

### Step 4: Alkyd enamel finish

3 mil thick specialized hard-coat alkyd enamel finish is applied over the epoxy primer.



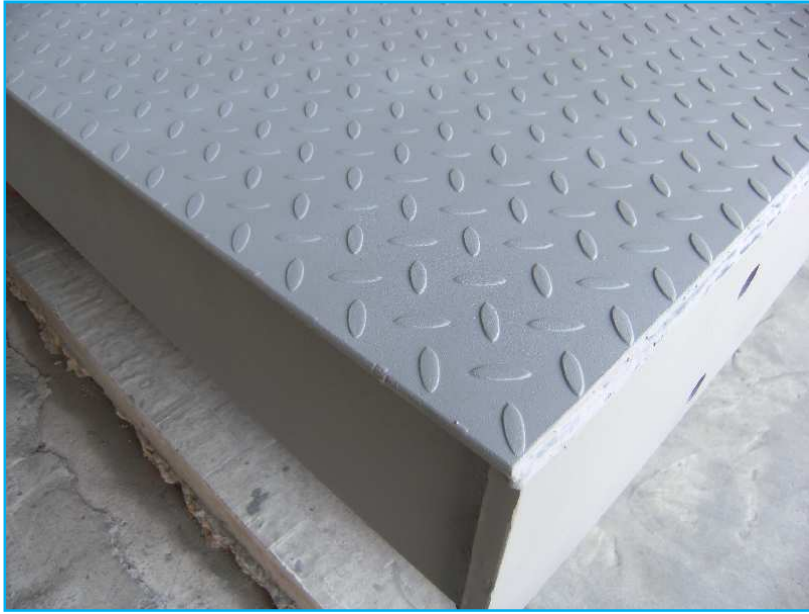
**Sandblasting**



**After sandblasting**



**Asphalt emulsion coating and 2 coats of special epoxy primer sprayed**



**2 coats of special epoxy primer sprayed**



**2 coats of alkyd enamel finish paint**

