

CERAMIC BRUSHABLE

Case Study Warehouse Metal Storage Pallets Repair

Metal pallets damaged from years of having heavy, abrasive landscaping materials stacked on them are repaired using Ceramic Brushable Blue



Metal pallets used to store landscaping materials had been left with impact and abrasion damage



Ceramic Brushable Blue was used to coat the metal slats which came into contact with the abrasive, heavy materials to protect them from future damage

Defect

A landscaping materials supplier stored driveway paving, garden slabs, natural stones and other items stacked on metal pallets in a central warehouse.

The weight, abrasive nature and the impact of moving these materials on and off the pallets meant the metal slats had become damaged over time.

Removing and replacing all damaged pallets would have been expensive and time-consuming, so the company instead sought a repair method.

Solution

They contacted a mechanical engineer who used and distributed Sylmasta products. The engineer recommended **Ceramic Brushable Epoxy Coating**.

Ceramic Brushable is reinforced with silicon-carbide for ultimate hardness and a smooth finish. Two coatings were applied over all metal pallet slats.

Once cured, Ceramic Brushable formed a 2mm thick outer layer protecting the metalwork against impact damage and abrasion.

Result

Only a few pallets were treated as a trial run for the landscaping company to test the performance of Ceramic Brushable.

Six months later and with no visible sign of damage to the coating, the company ordered a further 10kg to repair and protect more pallets in the warehouse.

They are now also considering a two-layer wear indicator coating, whereby the existing Ceramic Brushable Blue is topcoated with Black or Green to highlight areas where renewed protection is needed.