

## BEST PRACTICE

LOCATION:	Concrete products plant	ARTICLE YEAR	2013
ACTIVITY:	Manual handling and storage	COMPANY:	Aggregate Industries
SUB ACTIVITY:	N/A	COMPANY LOCATION:	Chryston, Landscaping Commercial
BEST PRACTICE No:	BP869	COMPANY TEL:	0141 7767881
COUNTRY OF ORIGIN:	United Kingdom		

### TITLE

**Manual handling risks removed from finished product testing process**

### ARTICLE

#### DESCRIPTION

At the Chryston works kerbs and pavers for testing have to be taken from the manufacturing process, cured for a period of either 7 or 28 days before being moved and loaded into a test rig. With the product weighing up to 80 kilograms, operators were exposed to significant manual handling risks during the different stages of this procedure.

Following a review the method of operation was changed.

A lightweight roller track was mounted on a pallet truck that could be raised or lowered, this enabled the product to be moved safely and adjusted to correct height for insertion into the test rig.

A toast rack pallet design was fabricated which enabled the product to be stored vertically and moved without the slaps falling and possibility of entrapment.

A pendant crane assembly fitted with a purpose made attachment was used to lift the test samples safely from their vertical position in the toast rack and lower horizontally onto the roller track. Broken pieces after the test can also be lifted using this device.

#### BENEFIT

- Manual handling risks during process either eliminated or insignificant
- Problem of flags falling during curing or transport has been eliminated
- Proactive involvement of team in finding solution.

### ARTICLE IMAGES

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