

## ConeFlex solves chute cleaning conundrum

### In brief

- Leading readymix producer, CEMEX, spent 4 hours a week cleaning steel discharge chute under mixer
- Risk of build up reaching gate mechanism under the mixer and interfering with the operation of the door
- Installed ConeFlex to line the steel discharge chute

**850+ hours saved**  
cleaning the mixer discharge chute

**6 years**  
still operational and no adjustments

### The problem

The Site Supervisor at CEMEX Widnes readymix plant was concerned with the build up in their steel discharge cone underneath the pan mixer, which was a major bottleneck interfering with the operation of the plant.

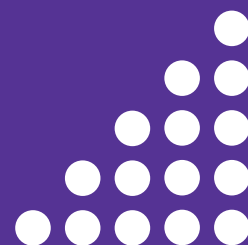
45 minutes manual cleaning of the chute was required each day using a pneumatic hammer to knock the hardened concrete off the cone, creating a potential hand-arm vibration risk to operatives.

Despite daily cleaning, the build up in inaccessible areas worsened over time, requiring intermittent hire of subcontractors to perform a thorough clean. This also required scaffolding hire to gain access and created a working at height risk.

If blocked, the mixer discharge chute becomes a bottleneck, jeopardising production and impacting on mixer operation.



Typical example of build up in steel discharge chute



# ConSpare

Make it better.

## How ConSpare found a solution

A ConeFlex abrasion-resistant chute liner was installed to line the steel discharge chute. The low friction 'non-stick' properties of the dual layer Hawiflex polyurethane improved concrete discharge and minimised build up, significantly reducing the cleaning time from four hours a week to just one and eradicating the risk of blockages at the mixer gate.

*"I'm really pleased with the installation of ConeFlex. After six years, it's still operational, showing minimal signs of wear. The 75% reduction in cleaning time needed to maintain the discharge chute has been valuable and the productivity of our plant has increased."*

Paul Campbell, Site Supervisor at CEMEX Widnes.



ConeFlex installation at CEMEX Widnes

## How ConSpare made it better

- Productivity** - Less downtime cleaning the discharge chute resulting in increased plant efficiency
- Safety** - Hand-arm vibration risk reduction from manual cleaning and reduced work at height
- Quality** - Consistent loading of truckmixers



ConeFlex chute liner solution with dual layer wear indicator

## Improving the process



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ConSpare Limited Registered in England No. 10373473  
Castlewood Business Park, Farmwell Lane, Sutton-in-Ashfield, Nottinghamshire. NG17 1BX.

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