# Metso

## Xresist™

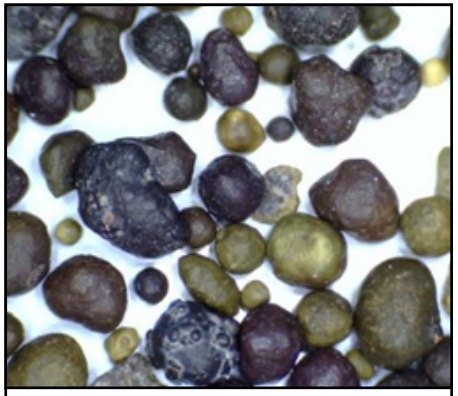
Superior abrasion resistance

# Superior resistance to abrasion

Increased resistance to abrasion equals less downtime and thereby better operating results.

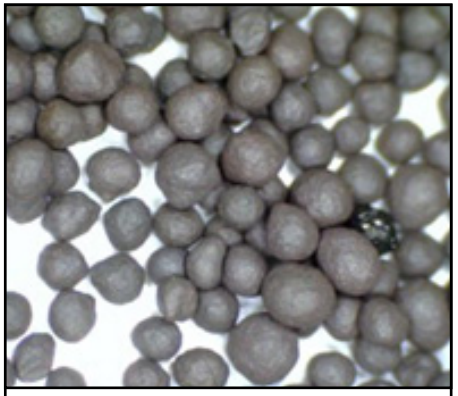
## Metso Xresist™

Xresist is a high density, alumina ceramic bead-filled toughened epoxy system designed for protecting equipment from wear and abrasion caused by handling and processing particulate matter in solid or slurry form.



**Competitors (irregular bead)**

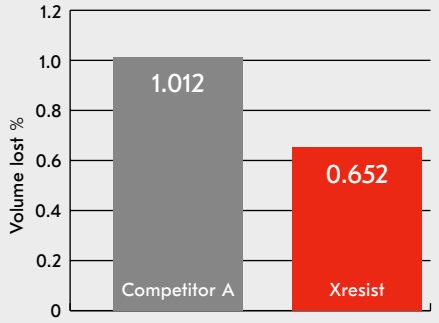
Competitor products with irregular beads wear unevenly due to the concentrations of crushed alumina. They also create worm holes that cause premature failure.



**Metso Xresist (spherical bead)**

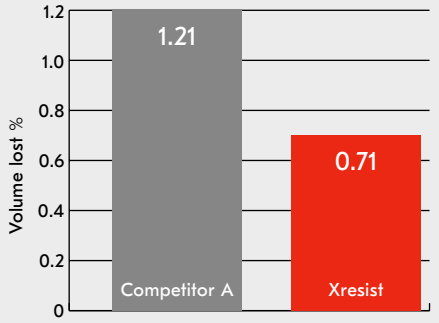
Xresist beads pack together tighter, giving superior wear resistance combined with the re-inforced resin system and absorb impact at a much higher rate giving them a higher tolerance to breaking and cracking.

## Spin test: Volume lost



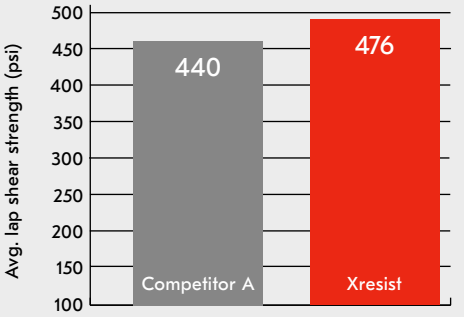

## Grit blast test: Volume lost

Less volume lost = better protection

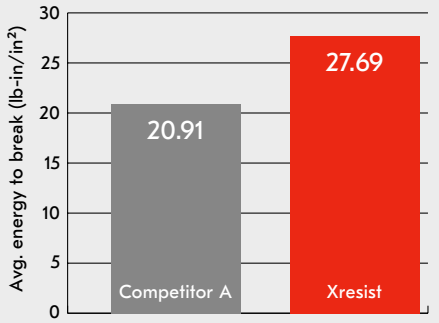



## Lap shear test: Adhesion

Higher load = better adhesion

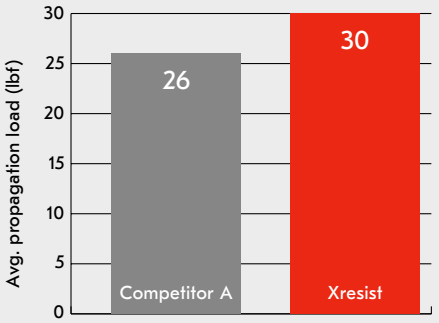



## Side impact test: Impact resistance




## T-peel test: Adhesion

Higher load = better -adhesion




Up to

**41%**

increased impact abrasion resistance

## Test summary

| Test conducted | Measured entity | Competitor A | Xresist | Improvement |
|---|---|---|---|---|
| Spin test: for sliding abrasion resistance | Volume lost $cm^3$ | 1.012 | 0.652 | 36% |
| Grit blast test: for abrasion and impact resistance | Volume lost $cm^3$ | 1.21 | 0.71 | 41% |
| Lap shear test: for adhesion | Tensile strength psi | 440 | 476 | 7% |
| Side impact test: for impact resistance | Average energy to break lb-in/$ln^2$ | 20.91 | 27.69 | 25% |
| T-peel adhesion | Propagation load lbf | 26 | 30 | 14% |

Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change.**

Metso

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