



# TESAEpoxy Ceramic Wear Compound



**Mining and Mineral Processing**  
TESAEpoxy Ceramic Wear Compound  
[www.trelleborg.com/fluidhandling](http://www.trelleborg.com/fluidhandling)

# HARD WEARING EPOXY CERAMIC

**Trelleborg's hard wearing epoxy ceramic is ideal for fast repairs.**

**Trelleborg's epoxy ceramic compound is used as the quick fix of choice to perform maintenance and in-situ repairs to mineral processing equipment where resistance to high impact abrasion is needed.**

**Trelleborg has been applying epoxy ceramic reinforced compounds since 2010. The longevity and durability of this product can be seen in a deflector application shown on the right.**



### TRELLEBORG TESAEOXY CERAMIC WEAR COMPOUND

- Two part high solids fast setting wear resistant ceramic compound
- Ideal for fast repairs
- High quality alumina beads gives excellent wear resistance
- Trelleborg Rapid Cure can be applied to damp surfaces
- Coverage is approximately 2.5kg per m<sup>2</sup> at 1mm thickness
- 9 on the MOHS scale of hardness
- High crush resistance, good impact resistance.

### TRELLEBORG PERFORMANCE

TESAEpoxy Ceramic Compound is 83% alumina beads. It will outperform Wear Resist in most applications. It is the ideal all round ceramic repair kit which offers excellent wear resistance.

**Normal cure** - 60 minutes @ 25°C

**Rapid Cure** - 40 minutes @ 25°C

TESAEpoxy Ceramic bead is made from high purity Sapphire - Aluminum Oxide which is rated at over 9 on the Mohs scale of hardness. The ceramics beads have a very high density, extremely high crush resistance, good impact resistance, and minimal inclusions of trapped air.

Properties	Value
<b>Percentage of fines generated @10,000psi</b>	0.7%
<b>Specific gravity</b>	3.56
<b>Aluminium Oxide Content</b>	83%
<b>Solubility in 12/3 HCl/HF Acid [% weight loss]</b>	Absolute Volume [gal/lb] 0.034



Deflector – After product application



Deflector – Before product application

### TRELLEBORG VS COMPETITOR

The TESAEpoxy ceramic wear compound consists of high quality Alumina beads as shown by their consistent colour, size and shape.

Variations in ceramic bead colour signifies varying degrees of low Alumina bead content along with various fillers added during manufacture.



TESAEpoxy Ceramic Bead – 20x Magnification



Competitor Bead – 20x Magnification

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

[WWW.TRELLEBORG.COM](http://WWW.TRELLEBORG.COM)

**Scan here to view more product information**



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