

## **FastCast Ceramics – Ceramic adhesive for investment casting**

*The manufacture of various products using the investment casting process is complex, demanding and takes a lot of time. Not infrequently, it may be technically necessary to drill holes in the shells prior to lost wax casting. With FastCast Slurry for shell repairing, the resulting holes are closed effectively and quickly.*



Fixed ceramic shell with FastCast slurry, HxW : 14x11 cm

### **Benefits for investment caster**

- ✓ Low-effort repair of ceramic shells
- ✓ Reduction of reject rate & increase of efficiency
- ✓ Short drying times
- ✓ Can be combined with different systems

### **Repair of ceramic shells**

*To prevent ceramic shells from cracking in the investment casting process, it can be helpful to drill holes in the ceramic shell prior to lost wax casting. However, even then, cracks of the shells during lost wax casting cannot be completely ruled out. This is not only annoying, but also causes economic damage, since the cracked shells are no longer available for further process steps. But this does not have to be the case anymore.*

### **The process**

*The FastCast Slurry for shell repairing allows a material-independent, fast and effective repair of drilled or cracked shells. For this purpose, the ready-mixed highly porous slurry is applied to the cracks, dried and sintered. The shells are then available again for further process steps, thus minimizing scrap.*

## **FastCast Ceramics – Solutions for investment casting**

*FastCast Ceramics offers different solutions for the investment casting industry. Our "All-in-one slurry" eliminates the need for a zirconia layer and also offers the possibility of recycling. FastCast's backup slurry is also supplied as a ready-mixed drop-in technology and can be easily integrated into existing production equipment and processes. The FastCast "Slurry for shell repairing" enables the effective repair of cracked ceramic shells.*

### **FastCast Ceramics solution overview**

<b>All-in-one slurry</b>	<b>Back-up Slurry</b>	<b>Slurry for shell repairing</b>
<ul style="list-style-type: none"> <li>✓ One slurry system for all applications</li> <li>✓ No zirconia layer necessary</li> <li>✓ Applying thick layers</li> <li>✓ Fast &amp; crack free drying</li> <li>✓ Ready mixed delivery (drop-in technology)</li> <li>✓ Recycling of ceramics possible</li> </ul>	<ul style="list-style-type: none"> <li>✓ Use as a backup slurry</li> <li>✓ Applying thick layers</li> <li>✓ Fast &amp; crack free drying</li> <li>✓ Ready mixed delivery (drop-in technology)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Slurry for shell repairing for drilled and cracked shells</li> <li>✓ Simple &amp; fast application</li> <li>✓ Short drying times</li> <li>✓ Ready mixed delivery (drop-in technology)</li> <li>✓ Combinable with various systems</li> </ul>

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