



# PRODUCT DATA

**Brand Name:**

**RESCOWELD® FS**

**Description:** RESCOWELD® FS is a Fused Silica based ceramic welding powder. This product should be used with the RESCO ceramic welding system.

**Physical properties shown are AVERAGE VALUES of samples taken under controlled conditions  
ASTM test methods used where applicable**

	Data After Welding	
<b><u>Bulk Density (pcf)</u></b>	137	(2.19 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>	10,000	(700 kg/cm <sup>2</sup> )
<b><u>Apparent Porosity (%)</u></b>	6%	

### **Typical Chemical Analysis (%)**

(Calcined Basis After Welding)

Silica (SiO <sub>2</sub> ) .....	91.8
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	5.6
Titania (TiO <sub>2</sub> ) .....	0.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.6
Lime (CaO) .....	0.1
Magnesia (MgO) .....	1.8
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.1

**Standard Packaging:** 27.5 lbs (12.5 kg) bags

**Brand Code:** 7570

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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07/27/2020 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

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