



# PRODUCT DATA

**Brand Name:** RESCOBOND 17HP

**Description:** RESCOBOND 17HP is a chemically-bonded, air-setting, single component refractory formulated to be handpacked in catalyst transfer line field joints, cones, nozzles, and other tight area applications in oil refineries. This product bonds to existing refractory and can be used to patch in-situ transfer lines, etc.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 2750°F (1510°C)**

**Typical Water Required for Mixing (by weight) :**  
Hand Packing ..... 6.9%

	Hand Packed Data	
<b>Bulk Density (pcf)</b>		
After 220°F (105°C)	131	(2.10 g/cm <sup>3</sup> )
After 1500°F (815°C)	127	(2.03 g/cm <sup>3</sup> )
<b>Cold Crushing Strength (psi)</b>		
After 1500°F (815°C)	10000	(700 kg/cm <sup>2</sup> )
<b>Thermal Conductivity (K Factor)</b>	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	9.5	1.38
1000°F (538°C)	8.5	1.23
1500°F (815°C)	10.3	1.49

<b>Permanent Linear Change (%)</b>	
Green to 220°F (105°C)	-0.1 to 0.0
220°F (105°C) to 1500°F (815°C)	-0.3 to 0.0

<b>Abrasion Loss (using ASTM C-704 Method)</b>	
After 1500°F (815°C)	14 cc

<b>Typical Chemical Analysis (%)</b>	
(Calcined Basis)	
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	46.5
Silica (SiO <sub>2</sub> ) .....	41.9
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.9
Titania (TiO <sub>2</sub> ) .....	1.3
Lime + Magnesia (CaO+MgO) .....	4.8
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	4.4

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 8606

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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01/29/18 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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