



PRODUCT DATA

Brand Name: PERMANENTE[®] 165 AF CASTABLE

Description: PERMANENTE[®] 165-AF is a magnesite-based, basic castable with a unique, non-chromate bonding system and can be installed by vibration casting or ramming methods, to maximize properties.

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

Typical Water Required for Mixing (by weight) :

Vibration Casting 6.2%
Ram Casting 3.0%

<u>Bulk Density (pcf)</u>	<u>Cast Data</u>	
After Drying to 300°F (150°C)	164	(2.62 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After Drying to 300°F (150°C)	2850	(199 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 3000°F (1650°C)	-0.7	

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	95.0
Silica (SiO ₂)	2.0
Iron Oxide (Fe ₂ O ₃)	0.8
Alumina (Al ₂ O ₃)	0.5
Lime (CaO)	1.7

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

Brand Code: 1010

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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