



PRODUCT DATA

Brand Name:

LL 90 PB-C

Description:

LL 90 PB-C is a Premium, Carbon-Containing, Phosphate-Bonded, 90% Alumina Mortar containing 3% Graphite. This mortar is available in a premixed consistency and can be used where mortar will be exposed to molten metal and slags. This carbon-containing product is recommended for use in reducing atmospheres.

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

Maximum Service Temperature: 3200°F (1760°C)

Particle Sizing: minus 48 mesh (0.297 mm)

Dry Material Required:

Use 500 to 700 lbs. of wet mortar per 1000-
9"x4-1/2"x 2-1/2" (228 mm x 144 mm x 64 mm)
straight brick for a 1/16" thick (1.6 mm) brick
joint

Typical Chemical Analysis (%), Calcined Basis

Alumina (Al ₂ O ₃)	87.4
Silica (SiO ₂)	3.3
Iron Oxide (Fe ₂ O ₃)	0.1
Titania (TiO ₂)	0.1
Phosphorus Pentoxide (P ₂ O ₅)	5.8
Carbon (C)	3.0
Alkalis (Na ₂ O+K ₂ O)	0.3

Standard Packaging: 60 lb. plastic pail

Brand Code: 8628

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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01/20/17 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.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505