



ARTECH TECHNOLOGIES INC
Superior Abrasion Resistant Materials

ACTCHEM[®] 45 G - S

PRODUCT DATA

Actchem[®] 45 G – S is a single component, medium-weight, air setting castable with exceptional abrasion resistance, cold crushing strength and chemical resistance. The formulation is based on the original Actchem, using the same proven binder system. The binder system provides flexible water additions, early strength, and low abrasion loss at low temperatures.

Actchem[®] 45 G – S can be gunned with low rebound losses using standard gunning equipment and needle valve water control. Lining thicknesses of up to 5 inches have been successfully achieved.

Actchem[®] 45 G – S can be used in a wide range of applications but is designed for use in steel applications where high abrasion resistance and greater insulation is desired.

Service Temperature 2300°F **Material Required** 146 lb/ft³
Abrasion Loss (ASTM C-704) < 8 cc

Gunned Physical Properties

Test Temperature (°F)	Bulk Density (pcf)	Cold Crushing Strength (psi)	Permanent Linear Change (%)
650	139	> 10,000	-0.1 to -0.2
1500	137	> 15,000	-0.2 to -0.3

Chemical Analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	P ₂ O ₅	Alkalies
46.1	46.5	0.7	1.3	3.2	1.3	0.9

Packaging: 50 lb. bags at 72 per pallet

The data shown represents typical results obtained by testing using ASTM or other acceptable procedures as required. They are subject to normal manufacturing variations and can not be used for specification purposes. Artech Technologies, Inc. assumes no liability for the use of this data and provides no warranty expressed or otherwise for its accuracy.