

**ACTCHEM® 45 CASTABLE**  
**GUNNED DATA**  
**PRODUCT DATA SHEET**

**Actchem®45** 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 without significant loss of erosion, gains early strength and low erosion losses at low temperatures.

**Actchem®45** can be gunned, with low rebound losses, using standard gunning equipment and needle valve water control, thickness of 5 inches have been successfully achieved.

**Actchem®45** can be used in a wide range of applications but typical areas of use include fan housings, burner throats in transfer lines. boilers, chutes and other severe abrasion applications where greater insulation is desired.

Service Temperature	2300 °F	Water Required	N/A%
Abrasion Loss (ASTM C-704)	≤ 6 cc	Material Required	144 lb/ft <sup>3</sup>
		Packaging	72 55# bags / pallet

Chemical analysis

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Other
45.14	48.18	0.34	0.39	3.42	2.53

Physical Properties

Test Temperature (° F)	BULK DENSITY (pcf)	C.C.S. (psi)	M.O.R. (psi)	P.L.C. (%)
650	136	13504 - 15855	330 - 350	-0.10 to -0.20
1500	136	15104 - 17105	340 - 350	-0.20 to -0.30

The data presented represents typical average 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, LLC assumes no liability for the use of this data and provides no warranty expressed or otherwise for its accuracy.