

PRODUCT DATA SHEET

Actchem® 75 is a single component, air setting, castable with exceptional abrasion resistance, cold crushing strength and chemical resistance, which can be hand packed or rammed in thin lining applications.

Actchem® 75 is a low cost version of the original Actchem® based on the same proven binder system, which allows a wide range of water addition, giving working times of 60-90 minutes. The binder system provides flexible water additions without loss of erosion, gains early strength and low erosion losses at low temperatures. Enhanced workability and non slumping features achieve greater installation productivity. Excellent adhesion properties make the product ideal for patch repairs.

Actchem® 75 can be installed by hand placing, ramming, guniting. Actchem® 75 can be gunned, with low rebound losses, using standard gunning equipment and needle valve water control, thickness of 5 inches have been successfully achieved.

Typical applications

- Refineries (F.C.C.U. catalyst transfer lines, riser lines, cyclones)
- Steel plants
- Incineration; fluidized bed boilers
- Cement
- Aluminium

Service Temperature	2300 °F	Water Required	4-6%
Abrasion Loss (ASTM C-704)	≤ 3 cc	Material Required	170 lb/ft³ (@1500 °F)

Packaging 72 55# bags / pallet

Chemical analysis` `

AL₂O₃	SiO₂	Fe₂O₃	TiO₂	CaO	Other
77.58	14.69	1.01	2.81	2.47	1.44

Physical Properties

Test Temperature (° F)	BULK DENSITY (pcf)	C.C.S. (psi)	M.O.R. (psi)	P.L.C. (%)
Ambient T	177	5,802 - 7,252	1,450 - 2,031	—
230	172	14,504 - 17,405	3,481 - 3,771	-0.10
662	170	21,756 - 23,206	4,351 - 5,511	-0.10
1500	170	21,756 - 26,107	4,931 - 5,221	-0.2 to -0.40

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.