

ACTCHEM® 85 & 85-RST

PRODUCT DATA SHEET

Actchem® 85 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. This product should be used where ambient temperatures range from 50-75°F or in those cases where a faster set is required.

Actchem® 85 has a unique bonding system, which allows a wide range of water addition, giving working times of 60-90 minutes. Enhanced workability and non slumping features achieve greater installation productivity. Excellent adhesion properties make the product ideal for patch repairs.

Actchem® 85 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	4.5% - 4.75%
Abrasion Loss (ASTM C-704)	≤ 2.5 CC	Material Required	184 lb/ft ³
		Packaging	72 55#bags/ pallet

Chemical analysis

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	P ₂ O ₅	Other
83.40	7.90	1.00	2.30	2.30	1.70	1.40

Physical Properties

Test Temperature (° F)	BULK DENSITY (pcf)	C.C.S. (psi)	M.O.R. (psi)	P.L.C. (%)	APP. POR. (%)
230	181 – 185	13924 – 17985	3491 – 4061	-0.1 to -0.2	7.6
1000	180 – 185	> 20000	4061 – 5802	-0.2 to -0.4	10.6
1500	180 – 186	> 15000	4357 – 5802	-0.2 to -0.4	14.2
2000	182 – 186	> 23000	4357 – 5802	-0.2 to -0.4	12.8
2300	181 – 185	> 23000	3626 – 5076	-0.2 to -0.4	13.3