

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.

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 to 6%
Abrasion Loss (ASTM C-704)	≤ 3 cc	Material Required	184 lb/ft³
		Packaging	72 55# bags / pallet

Chemical analysis

AL₂O₃	SiO₂	Fe₂O₃	TiO₂	CaO	P₂O₅	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

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