

ACTCHEM® 85 VC CASTABLE

PRODUCT DATA SHEET

Actchem® 85 VC is a single component castable with exceptional abrasion resistance, cold crushing strength and chemical resistance.

Actchem® 85 VC has a unique bonding system which allows a wide range of water addition, provides long working times and ease of installation.

Actchem® 85 VC is designed for vibe casting in severe abrasion applications.

Typical applications

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

Service Temperature	2800 °F	Water Required	4-5%
Abrasion Loss (ASTM C-704)	≤ 4 cc	Material Required	190 lb/ft³
		Packaging	72 55# bags / pallet

Chemical analysis

AL₂O₃	SiO₂	Fe₂O₃	TiO₂	CaO	P₂O₅	Other
85.8	8.3	0.7	2.20	2.20	0.10	0.7

Physical Properties

Test Temperature (° F)	BULK DENSITY (pcf)	C.C.S. (psi)	M.O.R. (psi)	P.L.C. (%)	APP. POR. (%)
75°F (7-day cure)	190	11000	2,200	—	2.1
230	188	>13000	3000	—	5.0
1000	186	>13000	6100	-0.2	14.1
1500	186	>13000	5300	-0.4	14.7
2000	193	>13000	6400	-0.4	12.4
2500	190	24355	6836	-1.19	14.1
2700	178	17039	7642	+0.16	11.6
2800	177	14324	5759	+0.54	11.9

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.