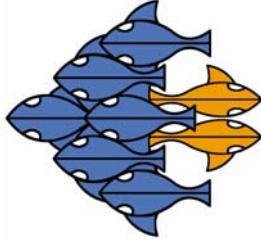


Actchem, Inc.

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ACTCHEM[®] 85 PRODUCT DATA SHEET

Actchem[®] 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. Early high strength is achieved $> 65 \text{ MN/m}^2$.

Actchem[®] 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[®] can be gunned, with low rebound losses, using standard gunning equipment and needle valve water control, thickness of 127 mm have been successfully achieved.

Properties

Test Temperature (° C)	B.D. (g/cc)	C.C.S. (N/mm ²)	M.O.R. (N/mm ²)	P.L.C. (%)	APP. POR. (%)
110	2.90 – 3.00	96 – 124	22 – 28	-0.20/-0.40	6.10
540	2.90 – 3.00	110 – 124	28 – 40	-0.20/-0.40	10.60
815	2.90 – 3.00	110 – 193	30 – 40	-0.20/-0.40	12.70
1100	2.90 – 3.00	110 – 179	30 – 40	-0.20/-0.40	12.80
1250	2.90 – 3.00	110 – 179	25 – 35	-0.20/-0.40	13.30

Abrasion loss

≤ 3 cc

Water requirement

4 to 7 %

Chemical analysis

Al₂O₃	SiO₂	Fe₂O₃	TiO₂	CaO	P₂O₅	Other
83.40	7.90	1.00	2.30	2.30	1.70	1.40

Packaging

Actchem[®] is presented in plastic drums of 20 kgs. or 25kg bags

Typical applications

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

Manufacturer warrants only that its product will meet those specifications designated as such herein or in other publications. All other information, including that therein, supplied by manufacturer, or its licensees/agents is considered given in gratis, and manufacturer/agent assumes no obligation or liability for information or advice given or test results. All such advice is taken and accepted at Buyer's sole risk.

Manufactured under license from C and H Labs

(Rev.1 - 10/1/03)