

# Actchem, Inc.

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## ACTCHEM<sup>®</sup> 75

### PRODUCT DATA SHEET

Actchem<sup>®</sup> 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<sup>®</sup> 75 is a low cost version of the original Actchem<sup>®</sup> 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<sup>®</sup> 75 can be installed by hand placing, ramming, guniting. Actchem<sup>®</sup> 75 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

<b>Test temperature</b> (° C)	<b>B.D.</b> (g/cc)	<b>Abrasion</b> (ccs)	<b>Cold crushing</b> (Kg/cm <sup>2</sup> )	<b>M.O.R.</b> (Kg/cm <sup>2</sup> )	<b>P.L.C.</b> (%)
Ambient T°	2.83	4.60	400 – 500	10 – 14	
110	2.75	3.40	1000 – 1200	24 – 26	-0.10
350	2.73	2.93	1500 – 1600	30 – 38	-0.10
815	2.73	2.80	1500 – 1800	34 – 36	-0.20 to -0.40

#### Abrasion loss

≤ 3 c.c.

#### Water requirement

4 to 7 %

**Chemical analysis**

<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>SiO<sub>2</sub></b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>TiO<sub>2</sub></b>	<b>CaO</b>	<b>Other</b>
77.58	14.69	1.01	2.81	2.47	1.44

**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.

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