

Actchem, Inc.

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ACTCHEM[®] 75 TF

PRODUCT DATA SHEET

Actchem[®] 75 Trueflow is a single component, air setting, castable, with an exceptional abrasion resistance, which is self-leveling, flowing easily around any obstruction, anchor system to form a complete monolithic lining.

Actchem[®] 75 Trueflow uses the same, **proven, unique Actchem binder system**, which permits a wide range of water addition, giving working times of 40-60 minutes.

Actchem[®] 75 Trueflow is a low cost version of the original Actchem TF. Early high strength and low abrasion is achieved at ambient temperatures.

Mixing in a paddle mixer for 7 - 10 minutes produces a product, which is extremely easy to install, even in high ambient temperatures, thereby promoting greater productivity.

The maximum operating temperature recommended is 1250 °C.

Properties

Test Temperature (° C)	B.D. (g/c.c.)	Abrasion (c.c.s.)	C.C.S. (Kg/cm ²)	M.O.R. (Kg/cm ²)	P.L.C. (%)
Ambient	2.50 – 2.60	2.50 – 3.50	500 - 800	10 - 20	N / A
110 °C	2.55 – 2.60	2.50 – 3.00	1000 - 1200	20 - 30	00 to - 0.10
350 °C	2.50 – 2.55	2.50 – 3.00	1200 - 1600	25 - 35	-0.10 to - 0.20
815 °C	2.45 – 2.55	2.50 – 3.00	1500 - 1800	10 - 20	-0.20 to - 0.30

Abrasion Loss :

3.00 – 3.50 ccs

Water requirement :

7 – 8 %

Chemical analysis

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
79.00	13.50	1.10	2.83	2.29	1.28

ACTCHEM[®]75 TF

Typical applications :

- Refining industry : F.C.C.U. Catalyst Transfer Lines
Riser Lines
Cyclones
- Incineration industry : Fluidized Bed Boilers
- Steel plants
- Cement industry
- Aluminium industry

Actchem[®]75 TF : Water Tolerance Fired to 815° C

Water Content (%)	7 %	8 %	9 %
Bulk Density (g/c.c.)	2.51	2.64	2.68
Cold Crushing Strength (Kg/cm ²)	1800	1400	1500
Abrasion Loss (c.c.s)	2.55	3.31	4.30
P.L.C. (%)	-0.25	-0.25	-0.20

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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