

Actchem, Inc.

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ACTCHEM® 45

PRODUCT DATA SHEET

Actchem® 45 is a single component, air setting, castable, with an excellent abrasion resistance. Application is HANDPACKING OR GUNITING

Actchem® 45 uses the same **proven unique Actchem binder system**, which permits a wide range of water addition, giving working times of 40 – 60 minutes. 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 production.

Actchem® 45 is used in areas where abrasion resistance is required coupled with Insulating Properties.

The maximum operating temperature recommended is 1250° C.

Properties (Handpacked) Abrasion loss - $\leq 5,5$ cc

| Test temperature (° C) | B.D. (g/cc) | Abrasion (ccs) | Cold crushing (Kg/cm ²) | M.O.R. (Kg/cm ²) | P.L.C. (%) |
|------------------------|-------------|----------------|-------------------------------------|------------------------------|----------------|
| Ambient T° | 2.16-2.17 | 7.50 | 350 – 500 | 10 – 11 | |
| 110 | 2.15-2.16 | 6.50 | 900 – 1000 | 17 – 25 | -0.15 |
| 350 | 2.15-2.16 | 4.70 | 900 – 1100 | 23 – 25 | -0.10 to -0.20 |
| 815 | 2.14-2.16 | 4.50 | 1100 – 1200 | 24 – 25 | -0.20 to -0.30 |

Properties (Guniting) Abrasion loss - ≤ 7 cc

| | | | | | |
|-----|------|------|-------------|---------|----------------|
| 350 | 2,08 | 4.70 | 900 – 1100 | 23 – 25 | -0.10 to -0.30 |
| 815 | 2,06 | 4.50 | 1100 – 1200 | 24 – 25 | -0.20 to -0.30 |

Chemical analysis %

| Al₂O₃ | SiO₂ | Fe₂O₃ | TiO₂ | CaO | Other |
|------------------------------------|------------------------|------------------------------------|------------------------|------------|--------------|
| 45.14 | 48.18 | 0.34 | 0.39 | 3.42 | 2.53 |

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

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