



Beton a tres haute alumine - alumine tabulaire - Very high alumina castable - tabular alumina

Super Heatcrete 33 QF

Mt. Savage Specialty Refractories - Fiche de cuisson / Firing Data Sheet

Temperature max. / Max. service temp. 3 300 °F 1 815 °C	Alumine / Alumina 94,9 % Al ₂ O ₃	Liant / Bond type Hydraulique / Hydraulic	Densite / Density 184 lb/pi³ ~8-10 % eau/water
--	--	---	--

PROGRAMME DE CUISSON / FIRING SCHEDULE

No	ETAPE / STEP	DETAILS / INSTRUCTIONS
1	Melange / Mixing	Ajouter 8-10 % eau (~1,7 L par sac 50 lb). Melanger soigneusement. / Add 8-10 % water (~1.7 L per 50 lb bag). Mix carefully.
2	Sechage / Drying	Cure minimum 24 h a l'air. Matériau tres dense - sechage critique. / Minimum 24 h air cure. Very dense material - drying is critical.
3	Montee tres lente / Very slow heat-up	15-25 C/h jusqu'a 110 C (230 F), palier 4 h minimum. / 27-45 F/h to 230 F, hold 4 h minimum.
4	Montee intermediaire / Intermediate	25-50 C/h jusqu'a 1 000 C (1 830 F). Masse dense - ne pas precipiter. / 45-90 F/h to 1 830 F. Dense mass - do not rush.
5	Cuisson / High temperature firing	50 C/h jusqu'a max 1 815 C (3 300 F). Delta-L @ 3 100 F: 0,0 a -0,4 %. / 90 F/h to max 1 815 C. Delta-L @ 3 100 F: 0.0 to -0.4 %.

PROPRIETES MECANQUES / MECHANICAL PROPERTIES

PROPRIETE / PROPERTY	VALEUR / VALUE
Densite apres sechage / After drying	190 lb/pi³
MOR apres sechage / After drying	2 000-2 700 psi
CCS apres sechage / After drying	8 000-12 000 psi
Delta-L @ 1 500 F	Negligeable / Negligible
Delta-L @ 3 100 F	0,0 a -0,4 %
Alumine tabulaire / Tabular alumina	94,9 %

ANALYSE CHIMIQUE / CHEMICAL ANALYSIS

COMPOSE / COMPOUND	BARRE / BAR	%
Al ₂ O ₃		94.9%
CaO	4.8%
Fe ₂ O ₃	0.31%
SiO ₂	0.09%

Autres	0.0%
--------	-------	-------------

Alumine tabulaire pure 94,9 % - applications extremes uniquement. Sechage tres progressif obligatoire. / 94.9 % tabular alumina - extreme applications only. Very gradual drying mandatory.

Toutes les donnees sont indicatives et soumises a des variations raisonnables. Ne pas utiliser a des fins de specification. / All data subject to reasonable deviation and should not be used for specification purposes.