



Beton faible ciment - tres haute alumine - Low cement - very high alumina castable

Ultra-TEK 93

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

Temperature max. / Max. service temp. 3 250 °F 1 790 °C	Alumine / Alumina 92,5 % Al ₂ O ₃	Liant / Bond type Faible ciment / Low cement	Densite / Density 200 lb/pi³ 4-5 % eau/water
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PROGRAMME DE CUISSON / FIRING SCHEDULE

No	ETAPE / STEP	DETAILS / INSTRUCTIONS
1	Melange / Mixing	4-5 % eau. Masse tres dense - melanger lentement et soigneusement. / 4-5 % water. Very dense - mix slowly and carefully.
2	Sechage / Drying	Cure 24 h min. Materiau tres dense - sechage absolument critique. / Cure 24 h min. Very dense - drying is absolutely critical.
3	Montee tres lente / Very slow heat-up	15 C/h jusqu'a 120 C (250 F), palier 4-6 h minimum. / 27 F/h to 250 F, hold 4-6 h minimum.
4	Cuisson intermediaire / Intermediate	25-50 C/h jusqu'a 815 C. MOR seche: 2 200-2 800 psi. CCS: 8 000-13 000 psi. / 45-90 F/h to 1 500 F.
5	Haute temperature / High temperature	Montee lente jusqu'a max 1 790 C (3 250 F). MOR @ 2 400 F: 1 200-1 600 psi. / Slow rise to max 1 790 C.

PROPRIETES MECANIKES / MECHANICAL PROPERTIES

PROPRIETE / PROPERTY	VALEUR / VALUE
Densite sechee / Dried density	200 lb/pi³
MOR apres sechage / After drying	2 200-2 800 psi
MOR @ 1 500 F	3 000-3 500 psi
MOR @ 2 400 F	1 200-1 600 psi
CCS apres sechage / After drying	8 000-13 000 psi
Delta-L @ 1 500 F	0,0 a -0,2 %
Delta-L @ 2 550 F	0,0 a +0,4 %

ANALYSE CHIMIQUE / CHEMICAL ANALYSIS

COMPOSE / COMPOUND	BARRE / BAR	%
Al ₂ O ₃		92.5%
SiO ₂	5.4%
CaO	1.5%

TiO ₂	0.4%
Fe ₂ O ₃	0.1%

Sechage tres progressif absolument requis. Ne pas couler < 10 C. Duree de vie ~6 mois. / Very gradual drying absolutely required. Do not cast below 50 F. Shelf life ~6 months.

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.