



Beton faible ciment - autonivelant / pompe / projete - Low cement - self-leveling / pump mix / shotcrete

# Ultra-TEK 60

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

Temperature max. / Max. service temp.  <b>3 000 °F</b>  1 650 °C	Alumine / Alumina  <b>57,6 %</b>  Al <sub>2</sub> O <sub>3</sub>	Liant / Bond type  <b>Faible ciment / Low cement</b>	Densite / Density  <b>158 lb/pi3 (VC)</b>  5,0% (VC) / 6,0% (SL) eau/water
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## PROGRAMME DE CUISSON / FIRING SCHEDULE

No	ETAPE / STEP	DETAILS / INSTRUCTIONS
1	Melange / Mixing	5,0 % eau vibration (VC) ou 6,0 % autonivelant (SL). Temperature preferee 21-32 C / 70-90 F.
2	Sechage initial / Initial drying	Cure 24 h min. Matériau faible ciment - sensible a la temperature de prise.
3	Montee tres lente / Very slow heat-up	25 C/h jusqu'a 120 C (250 F), palier 4 h. MOR seche VC: 1 700-2 300 psi. / 45 F/h to 250 F, hold 4 h.
4	Cuisson intermediaire / Intermediate	50 C/h jusqu'a 815 C (1 500 F). MOR: 4 000-6 000 psi. CCS: 12 000-18 000 psi. Abrasion C-704: 3,5 cc.
5	Haute temperature / High temperature	Jusqu'a 1 650 C (3 000 F). MOR @ 2 550 F: 1 100-1 700 psi. Delta-L: +0,5 a +1,2 %.

## PROPRIETES MECANQUES / MECHANICAL PROPERTIES

PROPRIETE / PROPERTY	VALEUR / VALUE
Densite VC / VC density	158 lb/pi3
Densite SL / SL density	155 lb/pi3
MOR seche VC / Dried VC	1 700-2 300 psi
MOR @ 1 500 F (VC)	4 000-6 000 psi
CCS @ 1 500 F (VC)	12 000-18 000 psi
Abrasion C-704 @ 1 500 F	3,5 cc
Delta-L @ 1 500 F	0,0 a -0,2 %
Delta-L @ 2 550 F	+0,5 a +1,2 %

## ANALYSE CHIMIQUE / CHEMICAL ANALYSIS

COMPOSE / COMPOUND	BARRE / BAR	%
SiO <sub>2</sub>	.....	37.9%
Al <sub>2</sub> O <sub>3</sub>	.....	57.6%
Fe <sub>2</sub> O <sub>3</sub>	.....	0.9%

CaO	.....	<b>1.9%</b>
TiO2	.....	<b>1.5%</b>
Autres	.....	<b>0.2%</b>

Duree de vie ~6 mois. Ne pas couler a T < 10 C (50 F). Sechage progressif obligatoire pour tout beton faible ciment. / Shelf life ~6 months. Do not cast below 50 F. Progressive drying mandatory for all low cement castables.

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.