



Beton conventionnel fireclay · Conventional fireclay castable

# Heatcrete 24 ES

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

Temperature max. / Max. service temp.  <b>2 400 °F</b>  1 315 °C	Alumine / Alumina  <b>43 %</b>  Al <sub>2</sub> O <sub>3</sub>	Liant / Bond type  <b>Hydraulique / Hydraulic</b>	Densite / Density  <b>125 lb/pi<sup>3</sup></b>  ~17-19 % eau/water
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## PROGRAMME DE CUISSON / FIRING SCHEDULE

No	ETAPE / STEP	DETAILS / INSTRUCTIONS
1	<b>Melange / Mixing</b>	Ajouter ~17-19 % d'eau en poids. Melanger 3-5 min. / Add ~17-19 % water by weight. Mix 3-5 min.
2	<b>Sechage / Drying</b>	Laisser durcir 24 h min a l'air (T > 10 C). / Allow to cure 24 h min in air (T > 50 F).
3	<b>Montee lente / Slow heat-up</b>	25 C/h jusqu'a 110 C (230 F), palier 2 h. Evacue l'eau libre. / 45 F/h to 230 F, hold 2 h. Drives off free water.
4	<b>Cuisson intermediaire / Intermediate</b>	50 C/h jusqu'a 815 C (1 500 F). / Rise at 90 F/h to 1 500 F.
5	<b>Service / Service</b>	Max 1 315 C (2 400 F). Refroidissement lent recommande. / Max 1 315 C. Slow cooling recommended.

## PROPRIETES MECANIKES / MECHANICAL PROPERTIES

PROPRIETE / PROPERTY	VALEUR / VALUE
Densite sechee / Dried bulk density	<b>125 lb/pi<sup>3</sup></b>
MOR apres sechage / After drying	<b>400-700 psi</b>
CCS apres sechage / After drying	<b>2 000-3 500 psi</b>
Variation lineaire / Delta-L @ 1 500 F	<b>0,0 a -0,5 %</b>

## ANALYSE CHIMIQUE / CHEMICAL ANALYSIS

COMPOSE / COMPOUND	BARRE / BAR	%
SiO <sub>2</sub>	.....	<b>47.8%</b>
Al <sub>2</sub> O <sub>3</sub>	.....	<b>43.0%</b>
Fe <sub>2</sub> O <sub>3</sub>	.....	<b>1.2%</b>
CaO	.....	<b>7.0%</b>
Autres	.....	<b>1.0%</b>

Beton polyvalent pour cheminées, fours a bois et applications industrielles legeres. / Versatile castable for fireplaces, wood ovens and light industrial applications.

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.