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DUQUESNE RÉFRACTAIRES, DIV. DE MULTIBOND INC.

DUQUESNE REFRACTORIES, DIV. OF MULTIBOND INC.

SUPER PATCH 45

Recommended Service Temperature Limit, °C, (°F)	1650 (3000)
Type of Set	Air Set
Mixing Water, per Container, litres, (pints):	
Trowelled Joints	0
Dipped Joints	2.8 (3)
Mortar Required per 1000 9" equivalents, Kg (lb.):	
Trowelled Joints	182 (400)
Dipped Joints	N/A
Maximum particle size, mm (mesh)	0.5 (35)
Storage Life, months	6 months
Packaging, weight per container, Kg (lb)	25.0 (55)

Typical Chemical Analysis, % (Calcined Basis)

Al ₂ O ₃	43.8	Fe ₂ O ₃	0.7	Na ₂ O	3.0
SiO ₂	50.8	CaO	0.1	K ₂ O	0.2
TiO ₂	1.3	MgO	0.1		

After Heating at:		Joint Modulus of Rupture	
°C	(°F)	MPa (lb/in ²),	ASTM C-198
110	(230)	6.3	(900)
815	(1500)	4.2	(600)
1400	(2550)	4.9	(700)
1500	(2732)	9.6	(1380)

Refractoriness Test, ASTM C-199

2910 °F (1600) °C No softening or flowing

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Note: Data are averaged results of laboratory tests conducted under applicable and current ASTM standards, except where noted. Data should not be used for exact specification purposes.