



DIMAL Asia Pacific Sdn. Bhd. (219956-D)

(Formerly Known As Didier Asia Sdn. Bhd.)
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DIRAM											
Brand Name	Appl. Temp °C	Material Required kg/m ³	Chemistry %						CCS MPa		Installation Method
			Al ₂ O ₃	SiO ₂	CaO	MgO	ZrO ₂	Fe ₂ O ₃	110°C	1000°C	
					(P ₂ O ₅)	(SiC)	(Cr ₂ O ₃)				
PLASTIC MIXES											
DIRAM 140	1400	2,200	38.0	52.0	-	-	-	2.3	3 - 6	5 - 10	Ramming
DIRAM 155	1550	2,300	54.0	38.0	-	-	-	2.0	4 - 6	7 - 10	Ramming
DIRAM 155 Y	1550	2,300	54.0	38.0	-	-	-	2.0	4 - 6	7 - 10	Ramming
DIRAM 155 HS	1550	2,300	53.0	36.0	-	-	-	2.0	5 - 9	9 - 13	Ramming
DIRAM 160	1600	2,400	58.0	32.0	-	-	-	2.0	4 - 6	7 - 12	Ramming
DIRAM 160 Y	1600	2,400	58.0	32.0	-	-	-	2.0	4 - 6	7 - 12	Ramming
DIRAM 160 HS	1600	2,400	60.0	30.0	-	-	-	1.8	5 - 9	10 - 15	Ramming
DIRAM Z9 P	1600	2,820	50.9	25.3	(3.9)	-	9.4	0.9	-	-	Ramming
DIRAM 160 P HS	1600	2,400	60.0	32.0	(3.5)	-	-	1.8	6 - 12	10 - 16	Ramming
DIRAM AZS 30 (0-0.4)	1600	2,550	44.0	23.0	-	-	30.0	-	-	-	Ramming, Patching
DIRAM AZS 30 (0-0.6)	1600	3,100	44.0	23.0	-	-	30.0	-	-	-	Ramming, Patching
DIRAM AZS 30 (0-5)	1600	3,200	44.0	23.0	-	-	30.0	-	-	-	Ramming, Patching
DIRAM 60 SiC-C	1600	2,570	55.0	19.0	-	(22.0)	-	1.0	9 - 15	10 - 20	Ramming, Patching
DIRAM 160 ZIRMUL PATCH	1600	3,350	54.0	14.0	(6.0)	-	23.0	-	25 - 45 (@ 280°C)	40 - 60	Ramming, Patching, Trowelling
DIRAM 165 ZIRCON PATCH	1650	3,400	4.0	29.0	(6.0)	-	58.0	-	15 - 35 (@ 280°C)	40 - 60	Ramming, Patching, Trowelling
DIRAM 170	1700	2,430	67.0	23.0	-	-	-	1.8	4 - 8	7 - 12	Ramming
DIRAM 170 Y	1700	2430	67.0	23.0	-	-	-	1.8	4 - 8	7 - 12	Ramming
DIRAM 170 MUL	1700	2550	68.0	23.0	-	-	-	1.0	4 - 7	12 - 20 (@ 1200°C)	Ramming
DIRAM 170 MUL P	1700	2620	70.0	22.0	(4.3)	-	-	1.0	12 - 18	20 - 30	Ramming
DIRAM 170 P HS	1700	2,580	70.0	23.0	(3.5)	-	-	1.5	12 - 18	15 - 25	Ramming
DIRAM SiC 30	1700	2,650	45.0	17.0	-	(27.0)	-	1.5	2 - 7	7 - 14	Ramming
DIRAM 180 HS	1750	2,700	80.0	9.0	-	-	-	0.8	7 - 10	10 - 20 (@ 1200°C)	Ramming
DIRAM 180 PT	1800	2,800	90.0	5.0	(3.5)	-	-	<0.3	12 - 20	15 - 25	Ramming
DIRAM 175 Cr3 AC	1800	3,050	78.0	5.0	-	-	3.0	-	-	-	Ramming, Patching, Trowelling
DIRAM 190 P HS	1900	2,850	86.0	8.0	(3.5)	-	-	1.2	12 - 20	20 - 30	Ramming

DIVAL = Coventional Castables & Gunning Mixes	DIMOR = Phosphate / Chemical Bonded Wet Mortars	FHS = Fine High Strength
DILOC = Low Cement Castables & Gunning Mixes	DIMAG = MgO Mixes	GUN = Gunning Mix
DINSUL = Light Weight Insulating Castable & Gunning Mixes	DICAST = Cast & Cured Shapes	HS = High Strength
DIPATCH = Semi Plastic Mixes	DINOC = Non-Cement Castable	MA = Contains Magnesia Oxide
DIRAM = Plastics Mixes		MUL = Mullite
		P = Contains Phosphoric Acid
	AL = Contains Aluminium Repellent Material	SiC = Contains Silicon Carbide
	AR = Abrasion Resistant	Y = Steel Fibre Added
	CR = Contains Chromic Oxide	Z = Contains Zircon

The values given are standard values ascertained on the basis of the applicable test standards and / or of internal testing methods applied over a longer, representative period of time. These values should not, however, be taken as binding specifications and may not therefore be understood as guaranteeing certain product properties. We reserve the right to carry out further technical development and update the technical product information. The current values are listed in the latest version of the technical data sheets.