



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

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DILOC											
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)	(TiO ₂)			
LOW CEMENT CASTABLES AND GUNNING MIXES											
DILOC 30 LC	600	2,200	30 - 40	< 60	2.2	-	-	2.3	50 - 70	40 - 60	Vibrating
DILOC 45 M	1000	2,250	40 - 60	< 55	2.1	-	-	1.5	60 - 100	60 - 100	Vibrating
DILOC 55 AL	1200	2,300	46.0	40.0	1.6	-	-	1.5	40 - 60	50 - 70	Vibrating
DILOC 140 AL	1280	2,160	39.0	50.0	2.0	-	-	2.0	30 - 60	60 - 90	Vibrating
DILOC 150 AL HS	1200	2,380	49.0	34.0	2.4	-	-	1.5	70 - 90	80 - 100	Vibrating
DILOC 150 AXL HS	1200	2,420	47.0	37.0	2.4	-	-	1.5	90 - 110	100 - 130	Vibrating
DILOC 160 AL F	1200	2,680	59.0	25.0	2.1	-	-	1.6	90 - 120	90 - 120	Vibrating
DILOC 160 AL HS	1200	2,630	59.0	26.0	2.2	-	-	1.4	90 - 120	100 - 130	Vibrating
DILOC 160 AXL HS	1200	2,650	59.0	25.0	2.1	-	-	1.5	110 - 135	105 - 135	Vibrating
DILOC 170 AL	1200-1600	2,800	68.0	13.5	1.8	-	-	-	80 - 100	80 - 100	Vibrating
DILOC 175 AL	1200-1700	3,050	78.0	10.0	1.4	-	-	1.0	95 - 130	145 - 180	Vibrating
DILOC 175 AL (S)	1200-1750	3,050	78.0	10.0	1.4	-	-	1.0	95 - 130	145-180	Vibrating
DILOC 77 AL	1300	2,800	77.0	12.0	1.6	-	-	1.2	70 - 90	80 - 100	Vibrating
DILOC 130	1300	2,100	30.0	61.0	2.0	-	-	2.5	30 - 50	40 - 60	Vibrating
DILOC 140	1400	2,150	40.0	51.0	2.0	-	-	2.0	30 - 50	40 - 60	Vibrating
DILOC 140 GUN	1400	2,020	50.0	42.0	2.5	-	-	1.5	15 - 25	25 - 35	Gunning
DILOC 55 X	1500	2,370	55.0	38.0	1.7	-	-	1.7	75 - 95	80 - 100	Vibrating
DILOC 50 MUL	1500	2,200	49.0	45.0	1.5	-	-	1.4	35 - 55	60 - 80	Vibrating
DILOC 150	1500	2,200	46.0	48.0	1.8	-	-	1.8	50 - 70	60 - 80	Vibrating
DILOC 150 GUN	1500	2,100	57.0	35.0	2.5	-	-	1.5	20 - 30	25 - 40	Gunning
DILOC 150 AL	1500	2,350	49.0	38.0	1.8	-	-	-	50 - 70	50 - 70	Vibrating
DILOC 150 Z AL	1500	2,800	45.0	18.0	1.4	-	23.0	-	40 - 60	30 - 50	Vibrating
DILOC 150 Z HS	1500	3,200	35.0	25.0	-	-	36.0	0.2	80 - 100	90 - 110	Vibrating
DILOC 150 AND	1500	2,300	50.0	47.0	1.5	-	-	1.4	50 - 70	85 - 105	Vibrating
DILOC 170 MUL-AL (S)	1500	2,580	68.0	20.0	1.8	-	-	-	80 - 100	90 - 110	Vibrating
DILOC 55	1550	2,380	55.0	39.0	1.8	-	-	1.5	50 - 80	70 - 100	Vibrating
DILOC 55 HS	1550	2,400	52.5	43.5	1.6	-	-	1.2	65 - 85	75 - 100	Vibrating
DILOC 50 AR	1550	2,370	49.0	45.0	2.8	-	-	1.0	85 - 100	80 - 100	Vibrating
DILOC 160 ZM CAST	1550	2,960	30.0	30.0	1.6	-	35.0	<1.0	70 - 110	100 - 140	Vibrating
DILOC DB	1600	2,310	52.0	42.0	1.6	-	-	1.5	60 - 100	70 - 110	Vibrating
DILOC 160	1600	2,400	57.0	36.0	2.5	-	-	1.5	60 - 80	70 - 90	Vibrating
DILOC 160 GUN	1600	2,150	64.0	26.0	2.5	-	-	2.0	20 - 40	30 - 50	Gunning
DILOC 160 HS	1600	2,400	58.0	35.0	1.8	-	-	1.5	60 - 80	70 - 100	Vibrating
DILOC 160 ADM	1600	2,350	59.0	35.0	1.6	-	-	<1.0	80 - 110	90 - 120	Vibrating
DILOC 160 AI	1600	2300 - 2500	58.0 - 60.0	36.0 - 40.0	1.3 - 1.9	-	-	1.2 - 1.8	60 - 90	90 - 120	Vibrating
DILOC 160 AND	1600	2,550	60.0	36.0	1.6	-	-	1.3	70 - 90	85 - 105	Vibrating

DILOC

Brand Name	Appl. Temp °C	Material Required kg/m ³	Chemistry %						CCS		Installation Method
			Al ₂ O ₃	SiO ₂	CaO	MgO	ZrO ₂	Fe ₂ O ₃	MPa		
					(P ₂ O ₅)	(SiC)	(Cr ₂ O ₃)	(TiO ₂)	110°C	1000°C	
LOW CEMENT CASTABLES AND GUNNING MIXES											
DILOC 60 MUL	1650	2,400	60.0	35.0	1.8	-	-	1.2	80 - 120	110 - 150	Vibrating
DILOC 60 AR	1650	2,400	60.0	35.0	1.8	-	-	1.2	80 - 120	110 - 150	Vibrating
DILOC 165	1650	2,700	70.0	20.0	2.0	-	-	1.3	70-90	90-120	Vibrating
DILOC 70 FF	1700	2,430	73.0	25.0	1.0	-	-	1.2	10 - 25	20 - 45	Casting / Self Flow
DILOC 170	1700	2,720	80.0	14.0	1.6	-	-	1.5	70 - 90	100 - 130	Vibrating
DILOC 170 / 70	1700	2,500	68.0	25.0	1.6	-	-	1.6	70 - 100	90 - 120	Vibrating
DILOC 170 / 70 Z	1700	2,700	68.0	16.0	1.6	-	10.0	-	50 - 70	70 - 90	Vibrating
DILOC 170 / 83	1700	2,800	80.0	12.0	0.7	-	-	1.2 (2.6)	45	80 - 120	Vibrating
DILOC 170 GUN	1700	2,200	70.0	21.0	2.5	-	-	2.0	10 - 30	20 - 50	Gunning
DILOC 170 MUL	1700	2,600	72.0	22.0	1.8	-	-	1.5	70 - 110	110-150	Vibrating
DILOC 170 MUL-AL	1700	2,600	72.0	22.0	1.8	-	-	1.5	70 - 110	110-150	Vibrating
DILOC 170 MUL GUN	1700	2,150	69.0	25.0	2.5	-	-	1.3	7 - 12	20 - 40	Gunning
DILOC 170 Cr 3	1700	2,750	78.0	12.0	1.6	-	(3.0)	1.5	70 - 100	100-140	Vibrating
DILOC 70 XLM	1750	2,550	69.0	26.0	0.8	-	-	1.4	60 - 80	80 - 100	Vibrating
DILOC 170 TAB	1750	3,000	83.0	7.0	1.5	-	-	1.2	90 - 110	90 - 110	Vibrating
DILOC 170 TAB AND	1750	2,700	70.0	27.0	1.4	-	-	1.0	65 - 85	95 - 130	Vibrating
DILOC 170 AC	1750	2,850	78.0	< 10.0	1.5	-	(2.0)	< 1.5	75 - 95	80 - 110	Vibrating
DILOC 175	1750	2,900	84.0	10.0	1.7	-	-	< 1.0	90 - 120	120-160	Vibrating
DILOC 175 MA	1750	3,000	88.0	6.0	1.6	2.6	-	< 1.0	100-130	130-170	Vibrating
DILOC 175 Cr 2 Z	1750	2,950	84.0	10.0	1.5	-	1.5 (2.0)	-	90 - 130	140-170	Vibrating
DILOC 175 Cr 5 Z	1750	3,150	78.0	10.0	1.5	-	3.0 (5.0)	-	70 - 90	100-130	Vibrating
DILOC 175 Cr 10	1750	3,050	77.0	8.0	1.7	-	(10.0)	-	60 - 90	90 - 120	Vibrating
DILOC 175 Cr 10 Z	1750	3,150	74.0	8.0	1.7	-	3.0 (10.0)	-	70 - 120	120 - 180	Vibrating
DILOC 180 AL	1750	3,000	83.0	5.0	1.5	-	-	< 0.5	70 - 90	100 - 140	Vibrating
DILOC 80 TAB AND	1800	2,850	80.0	16.0	1.4	-	-	1.0	90 - 110	105 - 130	Vibrating
DILOC 95	1800	3,000	90.0	5.0	1.6	-	-	0.5	70 - 120	90 - 140	Vibrating
DILOC 180	1800	3,000	92.0	5.0	1.5	-	-	< 0.5	70 - 120	110 - 160	Vibrating
DILOC 180 MUL	1800	2,700	76.0	18.0	1.6	-	-	< 1.0	80 - 120	140 - 180	Vibrating
DILOC 180 MA	1800	2,800	88.0	5.0	1.6	2.5	-	-	80 - 120	120 - 160	Vibrating
DILOC 180 MA-LB	1800	2,900	84.0	6.0	1.6	4.5	-	-	80 - 120	140 - 180	Vibrating
DILOC 185 SMA	1850	2,950	95.0	2.0	1.5	-	-	< 1.0	50 - 80	60 - 90	Vibrating
DILOC 190	1900	2,950	93.0	< 1.0	3.0	-	-	0.1	80 - 100	50 - 70	Vibrating
DILOC 190 MA	1900	3,000	91.0	< 1.0	2.6	3.0	-	-	90 - 130	60 - 90	Vibrating
DILOC 190 MA-M	1900	2,950	88.4	0.5	2.3	-	(4.0)	1.5	90 - 130 (@280°C)	60 - 90	Vibrating
DILOC 190 MA-CR	1900	2,910	85.0	< 1.0	2.6	3.0	(5.0)	-	80 - 110	60 - 90	Vibrating
DILOC 190 MA-LB	1900	2,950	88.0	< 1.0	2.4	8.0	-	-	60 - 80	50 - 70	Vibrating
DILOC 190 MA-GUN	1900	2,480	82.0	5.0	1.6	8.0	-	-	10 - 20	20 - 40	Gunning
DILOC 90 FF	1900	2,900	93.0	< 1.0	1.4	-	-	< 0.5	75 - 95	60 - 85	Casting / Self Flow
DILOC SiC 12 M	1000	2,300	40.0 - 60.0	-	2.3	(12.0)	-	1.5	60 - 100	60 - 100	Vibrating
DILOC SiC 3 M	1000	2,550	65.0 - 85.0	-	1.7	(3.0)	-	1.4	80 - 100	80 - 100	Vibrating
DILOC SiC 3.5 - 78	1100	2,750	> 70.0	-	1.4	(3.5)	-	1.1	100 - 140	100 - 140	Vibrating
DILOC SiC 17 M	1250	2,550	60 - 85	-	1.7	(17.0)	-	1.2	80 - 100	100 - 130	Vibrating
DILOC SiC 5	1600	2,400	55.0	31.0	3.0	(5.0)	-	1.6	80 - 100	90 - 110	Vibrating
DILOC SiC 10	1500	2,150	35.0	50.0	2.4	(10.0)	-	1.3	45 - 60	55 - 75	Vibrating
DILOC SiC 15	1500	2,300	38.0	42.0	1.8	(15.0)	-	1.3	50 - 70	70 - 90	Vibrating

DILOC

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)	(TiO ₂)			
LOW CEMENT CASTABLES AND GUNNING MIXES											
DILOC SiC 20	1500	2,300	35.0	40.0	1.8	(19.0)	-	1.3	60 - 80	80 - 100	Vibrating
DILOC SiC 30	1550	2,300	30.0	34.0	1.7	(28.0)	-	1.0	60 - 90	70 - 100	Vibrating
DILOC SiC 40	1550	2,380	30.0	29.0	1.7	(38.0)	-	1.0	60 - 90	70 - 100	Vibrating
DILOC SiC 50	1600	2,370	28.0	18.0	1.6	(47.0)	-	1.0	60 - 90	80 - 110	Vibrating
DILOC SiC 60	1600	2,520	18.0	19.0	1.6	(57.0)	-	< 1.0	70 - 90	80 - 110	Vibrating
DILOC SiC 70	1600	2,530	15.0	12.0	1.6	(68.0)	-	< 1.0	50 - 80	60 - 90	Vibrating
DILOC SiC 85	1600	2,580	8.5	4.5	1.5	(82.0)	-	-	60 - 90	100 - 140	Vibrating
DILOC 150 SiC 10	1500	2,150	35.0	50.0	2.4	(10.0)	-	1.3	45 - 60	55 - 75	Vibrating
DILOC 150 SiC 10 GUN	1500	2,050	40.0	44.0	2.5	(10.0)	-	1.2	10 - 15	15 - 25	Gunning
DILOC SiC 40 MUL	1550	2,350	30.0	30.0	1.7	(34.0)	-	1.0	50 - 70	70 - 90	Vibrating
DILOC 50 SiC 20	1550	2,500	50.0	25.0	1.5	(19.0)	-	1.3	70 - 90	80 - 100	Vibrating
DILOC 50 SiC 30	1550	2,600	49.0	15.0	1.6	(29.0)	-	1.2	60 - 80	70 - 90	Vibrating
DILOC SiC 30 GUN	1550	2,150	29.0	36.0	1.6	(30.0)	-	-	6 - 10	20 - 28	Gunning
DILOC SiC 60 GUN	1600	2,180	15.0	20.0	2.9	(58.0)	-	-	10 - 15	25 - 35	Gunning
DILOC SiC 85 GUN	1600	2,240	7.5	4.5	2.0	(82.0)	-	-	14 - 18	30 - 34	Gunning
DILOC 40 AND SiC 30	1600	2,600	35.0	-	1.5	(35.0)	-	< 1.0	50 - 75	50 - 80	Vibrating
DILOC 60 SiC 3 Zr 1	1600	2,430	57.0	30.5	1.6	(2.9)	1.2	-	60 - 80	70 - 90	Vibrating
DILOC 60 SiC 20	1600	2,640	60.0	13.0	1.6	(20.0)	-	1.2	70 - 90	70 - 100	Vibrating
DILOC 160 SiC 5 GUN	1600	2,100	50.0	33.0	4.5	(5.0)	-	1.3	22 - 28	15 - 20	Gunning
DILOC 160 SiC 5	1600	2,400	55.0	31.0	3.0	(5.0)	-	1.6	80 - 100	90 - 110	Vibrating
DILOC 160 SiC 10	1600	2,420	54.0	28.0	3.0	(10.0)	-	1.5	80 - 100	90 - 110	Vibrating
DILOC 160 AND SiC 5	1600	2,670	61.0	30.0	1.5	(4.6)	-	1.0	50 - 70	70 - 90	Vibrating
DILOC 160 AND SiC 10	1600	2,600	50.0	36.0	1.6	(10.0)	-	1.0	60 - 80	70 - 100	Vibrating
DILOC 160 AND SiC 30	1600	2,500	38.0	30.0	1.6	(> 25.0)	-	< 1.0	55 - 75	60 - 90	Vibrating
DILOC 170 SiC 15	1700	2,650	67.0	12.0	1.5	(15.0)	-	1.0	100 - 120	130 - 150	Vibrating
DILOC 170 MUL SiC 5	1700	2,600	66.0	22.0	1.8	(5.0)	-	1.5	80 - 110	110 - 140	Vibrating
DILOC 80 SiC 5	1750	2,750	80.0	10.0	1.6	(5.0)	-	1.0	85 - 110	90 - 120	Vibrating
DILOC 175 SiC 10	1750	2,830	80.0	6.0	1.6	(10.0)	-	< 1.0	70 - 100	120 - 150	Vibrating
DILOC 180 SiC 30	1800	2,700	62.0	6.0	1.5	(28.0)	-	0.3	70 - 90	110 - 140	Vibrating
DILOC 180 SiC Y	1300-1800	3,050	59.0	-	1.3	(25.0)	-	3.0	60 - 100	160 - 195	Vibrating

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