



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

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DINSUL											
Brand Name	Appl. Temp °C	Material Required kg/m ³	Chemistry %				CCS MPa		Thermal Conductivity W/mK		Installation Method
			Al ₂ O ₃	SiO ₂	CaO	Fe ₂ O ₃	110°C	815°C	400°C	1000°C	
					(P ₂ O ₅)						
LIGHT WEIGHT INSULATING CASTABLES											
DINSUL 100 - 0.5	1000	500 - 600	36.0	33.0	23.0	2.0	1 - 3	0.5 - 1.0	0.17	0.24	Rodding / Pouring / Gunning
DINSUL 100 - 0.5 V	1000	500 - 700	35.0	30.0	21.0	3.0	0.5 - 2.5	0.5 - 1.0	0.16	0.23	Rodding / Pouring / Gunning
DINSUL 110 - 0.5	1000	500 - 600	36.0	33.0	23.0	2.0	1 - 3	0.5 - 1.0	0.17	0.24	Rodding / Pouring / Gunning
DINSUL 110 - 0.9	1100	950 - 1100	40.0	40.0	15.0	3.0	2 - 5	1 - 2	0.30	0.30	Rodding / Pouring / Gunning
DINSUL 110 - 0.9 V	1100	900 - 1000	28.0	40.0	15.0	3.0	2 - 5	1 - 2	0.30	0.30	Rodding / Pouring / Gunning
DINSUL 120 - 1.0	1200	1,030	36.0	44.0	13.0	<3.0	2 - 6	1 - 4	0.30	0.30	Rodding / Pouring / Gunning
DINSUL 120 - 1.1	1200	1,100	36.0	44.0	13.0	<3.0	4 - 8	2 - 5	0.30	0.30	Rodding / Pouring / Gunning
DINSUL 120 - 1.2	1200	1,200	38.0	42.0	14.0	<3.0	4 - 8	2 - 5	0.30	0.30	Rodding / Pouring / Gunning
DINSUL 125 - 1.25	1250	1,200	36.0	49.0	9.0	2.0	6 - 10	3 - 5	0.40	0.40	Rodding / Pouring
DINSUL 125 - 1.25 GUN	1250	1,250	36.0	49.0	9.0	2.0	6 - 10	3 - 10	0.40	0.40	Gunning
DINSUL 130 - 1.35 AL C/G	1300	1,230 - 1,350	36.0	43.0	9.2	1.9	3 - 8	3 - 8	0.50	0.50	Rodding / Pouring / Gunning
DINSUL 135 - 1.1	1350	1,050	55.0	27.0	8.5	0.9	3 - 9	2 - 7	0.40	0.50	Casting / Rodding / Tamping / Gunning
DINSUL 135 - 1.1 C/G	1350	950 - 1,190	42.0	40.0	9.0	1.0	2 - 6	2 - 5	0.40	0.45	Casting / Rodding / Pouring / Gunning
DINSUL 135 - 1.1 V C/G	1350	1,000 - 1,100	33.0	45.0	13.0	2.3	1 - 3	1 - 3	0.35	0.40	Casting / Rodding / Pouring / Gunning
DINSUL 135 - 1.35	1350	1,350	38.0	47.0	9.5	2.0	3 - 8	2 - 5	0.40	0.60	Rodding / Pouring / Trowelling
DINSUL 135 - 1.35 GUN	1350	1,420	37.0	48.0	9.5	2.0	8 - 16	6 - 10	0.50	0.60	Gunning
DINSUL LW 24 HS	1350	1,250	36.0	44.0	12.3	2.3	9 - 13	8 - 12 (@ 1200°C)	0.40	0.40	Casting / Rodding / Tamping / Gunning
DINSUL 140 - 1.1	1400	1,200	56.0	32.0	8.5	<1.0	2 - 7	2 - 7	0.40	0.50	Rodding / Pouring / Shaking
DINSUL 140 - 1.4	1400	1,400	38.0	48.0	10.0	2.5	8 - 12	5 - 7	0.40	0.50	Rodding / Pouring
DINSUL 150 - 1.5	1500	1,500	42.0	43.0	9.0	2.5	6 - 10	3 - 8	0.54	0.60	Rodding / Pouring
DINSUL 155 - 1.4	1550	1,400	42.0	44.0	8.5	2.5	6 - 10	4 - 8	0.54	0.60	Rodding / Pouring
DINSUL 145 - 1.2	1600	1,250	80.0	-	13.0	<1.0	6 - 12	3 - 8	0.9	0.6	Vibrating / Pouring
DINSUL 180	1800	1,400	92.0	< 1.0	5.0	-	10 - 14	4 - 8	1.00	0.80	Rodding / Pouring

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		MA = Contains Magnesia Oxide
	* : Bubble Alumina Base Insulating Mix	MUL = Mullite
		P = Contains Phosphoric Acid
	AL = Contains Aluminium Repellent Material	SiC = Contains Silicon Carbide
	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.