

ANCILLARY PRODUCTS

PRODUCT	PURPOSE	PACK SIZE
FILLERS		
Aluminium MO1	2mm Aluminium Filler	25kg
Aluminium MO2	4mm Aluminium Filler	25kg
Aluminium C36	0.5mm Aluminium Filler	10kg
Aluminium M200	200 mesh Aluminium Powder Filler	10kg
Fairing Cream Epoxy	1:1 Liteweight Filler paste, Machinable	2lt, 10lt
DT082	Inert Filler	
DT082-Euro	Specific Filler Grade	
DT039	Thickening Powder (non-dusting)	
Aerosil	Thickening Powder	
ADHESIVES		
K214	Standard 2:1 Epoxy	1.5Lt
K106	Structural 1:1 Epoxy	1Lt
K219	5 Minute 1:1 Epoxy	1Lt
RELEASE AGENTS		
QZ5111	Solvent borne wax (brush grades)	500ml / 3.75kg(5lt)
QZ5110	Solvent borne wax (paste grades)	1Lt
VARIOUS		
Cibatool / Renshape	Modelling board, BM5460 stocked in NZ.. 1500x500x50mm Can be bonded with K106 or filled with fairing cream. Other grades on indent from Australia	
Colour Pastes	For varying resin colours	50gms



All data is available on www.nuplexconstruction.co.nz

AUCKLAND

Ph 09-579 2029 Fax 09-525 3709

WELLINGTON

Ph 04-477 7040 Fax 04-477 7039

HAMILTON

Ph 07-847 8658 Fax 07-847 3766

PALMERSTON NORTH

Ph 06-353 3685 Fax 06-353 3632

CHRISTCHURCH

Ph 03-366 6802 Fax 03-365 7845



INSTRUCTIONS

FOR

Araldite®

TOOLING, MOULDMaking & PATTERN MAKING PRODUCTS

www.nuplexconstruction.co.nz

Araldite®



FEATURES

PRODUCT	DESCRIPTION
CASTING RESINS	
Araldite K83	General purpose, mineral filled epoxy casting resin
Araldite K264	Temperature resistant aluminium filled epoxy casting resin
Rencast 52	Filled rapid curing polyurethane casting resin
Rencast 53	Filled very rapid curing polyurethane casting resin
Rencothane RP6444	High wear resistance casting resin.
GELCOAT RESINS	
Araldite K404	Abrasion resistant blue epoxy gelcoat
Araldite K410	Abrasion resistant polishable white epoxy gelcoat
Rencothane RP6411	Abrasion resistant polyurethane gelcoat, metal filled
Ureol 6405	Unfilled polyurethane casting resin, prototyping

LAMINATING RESINS

Renlam M1 & Ren HY956	Low viscosity, multi-purpose laminating resin
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APPEARANCE AS SUPPLIED

	RESIN	HARDENER
CASTING SYSTEMS		
Araldite K83	Pale beige liquid	Clear yellow liquid
Araldite K264	Grey liquid	Clear yellow liquid
Rencothane RP6444	Amber liquid	Amber liquid
Rencast 52	Amber liquid	Amber liquid
Rencast 53	Amber Liquid	Amber liquid
GELCOAT SYSTEM		
Araldite K404	Blue paste	Clear yellow liquid
Araldite K410	White paste	Clear yellow liquid
Ren 6411 gelcoat	Clear liquid	Gray paste
LAMINATING SYSTEMS		
Relam M1 / Ren HY956	Clear yellow liquid	Clear yellow liquid
LV573 Fibre Paste	Grey fibrous paste	Blue liquid

MIX RATIOS

	BY WEIGHT			MINIMUM
	RESIN	HARDENER	Filler	pot life
				500 gms @ 25°C
CASTING RESINS				
Araldite K83	100	10	0	30
Araldite K264	100	12.5	optional	60
Rencothane RP6444	100	60	0	25
Rencast 52 & DT082 filler	100	100	300	8
Rencast 53 & DT082 filler	100	100	300	5
GELCOAT SYSTEMS				
Araldite K404	100	10	0	25
Araldite K410	100	14	0	20
Ren 6411	70	100	0	20
LAMINATING SYSTEMS				
Renlam M1 & Ren HY956	100	20	0	20
LV573 Paste	100	15	0	45

MIXING INSTRUCTIONS

The resin component should be mixed thoroughly prior to use in order to homogeneously redisperse fillers that may have settled out. Mix the resin and hardener well, in the correct proportion, using a clean plastic, metal or wooden spatula for at least 2-3 minutes or until an even, streak free, consistent colour is achieved.

TYPICAL CURED PROPERTIES

PRODUCT	SHORE D HARDNESS	COMPRESSIVE STRENGTH N/mm ²	DENSITY g/cm ³	MAXIMUM OPERATING TEMP °C
CASTING SYSTEMS				
Araldite K83	85-90	85-90	1.6	55-60
Araldite K264	85-90	115-125	1.6	130-140
Rencothane RP6444	55-65	-	1.05	-
Rencast 52 & DT082	80-85	38	1.6	85
Rencast 53 & DT082	80-85	44	1.6	90
GELCOAT SYSTEMS				
Araldite K404	85-90	110-125	1.8-1.9	70-75
Araldite K410	85-90	90-100	1.4	60-70
Ren 6411	60-70	-	1.28	-
LAMINATING SYSTEMS				
Renlam M1 & Ren HY956	-	-	1.1	50
LV573 Paste	-	-	1.2	45