

RESOMAST

Polyester Resin Compounds

The range of **RESOMAST COMPOUNDS** provide the ideal solution in numerous applications involving concrete and masonry repairs, jointing, filling and grouting where rapidly developed high strengths are required. Compounds, unless otherwise indicated, consist of two components, a liquid Resin and Hardener which is an activated filler. All of the Resomast Compounds bond tenaciously to all structural surfaces. However with the Resomast Mortar it is advisable that the material be mixed with a reduced amount activated filler so as to wet-out the surfaces to be bonded. Packaging includes proportioning cups and an outer plastic container which can be used as a mixing vessel.

The range of **RESOMAST COMPOUNDS**, their description and typical applications are as follows:

RESOMAST MORTAR

A general purpose variable consistency mortar for repairs to damaged concrete and masonry faces, pipe arises and stair nosings, forming thick horizontal joints, setting in bridge bearing pads, grouting in machine and stanchion base plates, bolts, dowels and starter bars, bedding concrete kerbs and coping stones.

RESOMAST PUTTY

A light thixotropic paste for thin joint fixings to horizontal, vertical and inverted surfaces, bonding brick slips and heavy tiles, jointing concrete pipe spigots, filling locating slots in fixing brackets.

RESOMAST THIXOBOND

A heavy bonding paste for securing brick slips, jointing concrete pipe spigots or bedding coping stones.

RESOMAST BEDDING

A free-flowing mortar for grouting in manhole frames, machine and stanchion base plates and bridge bearing pads.

RESOMAST PIN GROUT FF

A free-flowing grout for anchoring bolts, dowels and starter bars into horizontal plane concrete, rock and masonry.

RESOMAST PIN GROUT TH

A thixotropic low-slump grout for anchoring bolts, dowels and starter bars into vertical and sloping plane concrete, rock and masonry.

Typical properties: In a temperate climate

RESOMAST COMPOUNDS	set in 20-40 minutes and are stronger than concrete in one hour.
RESOMAST COMPOUNDS	develop bond strengths in excess of the surface tensile strength of concrete
RESOMAST COMPOUNDS	are waterproof and resistant to a wide range of chemicals
RESOMAST COMPOUNDS	can be used in temperatures below freezing
RESOMAST COMPOUNDS	are easy to use and save time and labour

Resin-Based Construction Materials

Typical Tensile Strength - All types - 15 N/mm ² minimum	Typical Flexural Strength - All types - 27 N/mm ² minimum
Direct Tensile Bond - All Types Concrete: 2.6 N/mm ² (Concrete failure) Grit Blasted Steel: 4.8 N/mm ²	Shear Bond - All Types Concrete: 10 N/mm ² (Concrete failure) Grit Blasted Steel: 7 N/mm ² minimum

Technical data

Typical Compressive Strengths - 38 mm cubes @ 15°C

RESOMAST Type	Min/Max. Mixing by volume		Compressive Strengths-N/mm ²			Density gm / cm ³
	Resin	Hardener	2 hrs	24 hrs	Ultimate	
MORTAR	1	2.5 - 5	65	85	91	1.92
PUTTY	1	2 - 4	60	81	85	1.67
THIXOBOND	1	2 - 4	64	85	91	1.79
BEDDING	1	2.5	78	101	109	1.89
PIN GROUT FF.	1	2.5	76	100	107	1.89
PIN GROUT T H	1	2 - 2.5	65	86	91	1.80