



FORMFIX

Resin Based Construction Materials

RESOFORM

Polyester Resin Compounds

The range of **RESOFORMAST 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 Resoform Compounds bond tenaciously to all structural surfaces. However with the Resoform 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 **RESOFORMAST COMPOUNDS**, their description and typical applications are as follows:

RESOFORMAST 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.

RESOFORMAST 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.

RESOFORMAST THIXOBOND

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

RESOFORMAST BEDDING

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

RESOFORMAST PIN GROUT FF

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

RESOFORMAST 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

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

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Typical Tensile Strength -
All types - 15 N/mm² minimum

Typical Flexural Strength -
All types - 27 N/mm² minimum

Direct Tensile Bond – All Types
Concrete: 2.6 N/mm² (Concrete failure)
Grit Blasted Steel: 4.8 N/mm²

Shear Bond – All Types
Concrete: 10 N/mm² (Concrete failure)
Grit Blasted Steel: 7 N/mm² minimum

Technical data

Typical Compressive Strengths - 38 mm cubes @ 15°C

RESOFORMAST Type	Min/Max. Mixing by volume		Compressive Strengths-N/mm ²			Density
	Resin :	Hardener	2 hrs	24 hrs	Ultimate	gm / cm ³
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 H	1	: 2 - 2.5	65	86	91	1.80

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