

Guide Formulation - page 1 of 1

Mounting adhesive, polyester-acrylic based

Basis: unsaturated polyester resin with acrylic monomers

RRS 2203		Control with standard- filler	AKTISIL VM 56
UP / Acrylic resin		50	50
Standard filler		45	35
AKTISIL VM 56	(1)	---	10
Peroxide		5	5
Total parts by weight		100	100

Properties

tested bonding: steel to ceramics

Lap shear strength N/mm² 14-15 18-20

Enhancement lap shear strength % --- +31

Recommendation

AKTISIL VM 56: improved strength properties, covalent bond with the polymer

Not tested, however recommended as well:

SILLITIN V 85: standard product, balanced price/performance ratio

AKTIFIT VM: same as Aktisil VM 56, but hydrophobic, improved dispersion, highest brightness and color neutrality

AKTIFIT PF 111: same as Aktifit VM, but higher rheological activity

AKTISIL MAM: lower viscosity, higher polarity and reactivity through methacrylic groups

AKTIFIT Q: same as Aktifit VM, but higher polarity and reactivity through methacrylic groups

Suppliers

(1) HOFFMANN MINERAL

More information on this topic is available in this technical report:[Neuburg Siliceous Earth in CR \(polychloroprene\) and UP \(unsaturated polyester resin\) adhesives](#)

Our applications engineering advice and the information contained in this formulation are based on experience and are made to the best of our knowledge and belief, they must be regarded however as non-binding advice without guarantee. Working and employment conditions over which we have no control exclude any damage claim arising from the use of our data and recommendations. Furthermore we cannot assume any responsibility for patent infringements, which might result from the use of our information.

VM-0/0819/08.2019