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SUPER BLOCK – TECHNICAL DATA

Physical Properties (liquid product)

	SUPER BLOCK STRONG - RED	SUPER BLOCK UNIVERSALE - BLUE	SUPER BLOCK C	SUPER BLOCK M	SUPER BLOCK SF
Chemical Base	Diester of Methacrylic Acid	Diester of Methacrylic Acid	Diester of Methacrylic Acid	Diester of Methacrylic Acid	Diester of Methacrylic Acid
Colour	red / fluorescent	blue / fluorescent	green / fluorescent	blue / fluorescent	green / fluorescent
Viscosity (acc. to Brookfield RVT at 25°C)	4000 – 7000 mPas spindle / rpm 3 / 2.5 1200 – 1800 mPas spindle / rpm 3 / 20	5000 – 9000 mPas spindle/ rpm 3 / 2.5 1500 – 3000 mPas spindel / rpm 3 / 20	40 – 55 mPas spindle / rpm 2 / 100	4000 – 9000 mPas spindle / rpm 3 / 2.5 1500 – 3000 mPas spindle / rpm 3 / 20	500 – 900 mPas spindle / rpm 2 / 20
Density (at 25°C)	1.11 g/cm³	1.12 g/cm³	1.07 g/cm³	1.12 g/cm³	1.11 g/cm³
Max. thread diameter	M 36	M 36	-	M 36	M 25
Max. gap filling	0.25 mm	0.25 mm	0.07 mm	0.25 mm	0.15 mm
Flash point	> 100°C	> 100°C	> 100°C	> 100°C	> 100°C
Shelf life (at room temperature)	1 year	1 year	1 year	1 year	1 year

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Physical Properties (cured product)

	SUPER BLOCK STRONG - RED	SUPER BLOCK UNIVERSALE - BLUE	SUPER BLOCK C	SUPER BLOCK M	SUPER BLOCK SF
Mesured on	M10 x 20 bolt - grade 8.8 zinc galvanised - nut 0.8d (no on-torque)	M10 x 20 bolt - grade 8.8 zinc phosphated - nut 0.8d (no on-torque)	M10 x 20 bolt - grade 8.8 zinc galvanised - nut 0.8d (no on-torque)	M10 x 20 bolt - grade 8.8 black phosphatized - nut 0.8d (no on-torque)	M10 x 20 bolt - grade 8.8 black phosphatized - nut 0.8d (no on-torque)
Initial strength after	10 – 20 minutes	5 – 15 minutes	10 – 20 minutes	5 – 15 minutes	5 – 15 minutes
Functional strength after	2 – 4 hours	0.5 – 1 hour	0.5 – 1 hour	0.5 – 1 hour	1 – 3 hours
Final strength after	3 – 6 hours	1 – 3 hours	3 – 6 hours	1 – 3 hours	5 – 10 hours
Loose-break torque	> 20 Nm (M10) DIN 54454	~ 21 Nm (M10) DIN 54454	> 18 Nm (M10) DIN 54454	~ 21 Nm (M10) DIN 54454	> 25 Nm DIN 54454
Prevailing torque	> 35 Nm (M10)	~ 10 Nm (M10)	> 30 Nm (M10)	~ 10 Nm (M10)	> 40 Nm
Shear strength	> 20 N/mm² DIN 54452	~ 20 N/mm² DIN 54452	> 12 N/mm² DIN 54452	~ 20 N/mm² DIN 54452	> 20 N/mm² DIN 54452
Thermal range	-55°C up to +150°C	-55°C up to +150°C	-55°C up to +150°C	-55°C up to +150°C	-55°C up to +150°C