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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 |