

Abrasion, Wear & Impact Protection Products
Product Testing and Product Characteristics

| | 201 | 202 | 203 | 204 | 205 | 206 | 209 |
|---|--|---------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|--------------------------------------|
| Compressive strength Tested to ASTM D 695 | 1089kg/ cm ² (15,500psi) | 960kg/ cm ² (13,650psi) | 735kg/ cm ² (10,450psi) | 1089kg/ cm ² (15,500psi) | 983kg/ cm ² (13,960psi) | 983kg/ cm ² (13,960psi) | N/A |
| Corrosion Resistance Tested to ASTM B117 | 5000 hours | 10000 hours | 5000 hours | 5000 hours | 5000 hours | 5000 hours | 5000 hours |
| Flexural Strength Tested to ASTM D790 | 703kg/cm ² (10,000psi) | 635kg/cm ² (9,000psi) | 570kg/cm ² (8100psi) | 420kg/cm ² (8000psi) | 614kg/cm ² (8710psi) | 614kg/cm ² (8710psi) | 703kg/cm ² (10,000psi) |
| Hardness Rockwell R to ASTM D785 | 100 | 100 | 85 | 100 | 100 | 100 | 80 |
| Slump Resistance | 25mm | 400 microns | 400 microns | 25mm | 1000 microns | 1000 microns | 750 microns |
| Tensile Shear Adhesion Tested to ASTM D1002 | 188kg/cm ² (2675psi) | 202kg/cm ² (2875psi) | 187kg/cm ² (2650psi) | 148kg/cm ² (2100psi) | 220kg/cm ² (3125psi) | 220kg/cm ² (3125psi) | 200kg/cm ² (2850psi) |
| Abrasion Resistance Taber abrasion CS17 1000 cycles/ 1kg | 147mg 0.06cc | 145mg 0.065cc | 122mg 0.08cc | 21mg 0.012cc | 85mg 0.036cc | 196mg 0.083cc | 90mg 0.036cc |
| Volume Capacity cc per kg | 406 | 446 | 679 | 584 | 425 | 425 | 1000 |
| Base density gm per cm³ | 2.70 | 2.65 | 1.67 | 2.10 | 2.55 | 2.55 | 1.31 |
| Activator density gm per cm³ | 1.70 | 1.00 | 1.05 | 1.40 | 0.97 | 0.97 | 1.22 |
| Mixed product density gm per cm³ | 2.46 | 2.24 | 1.52 | 1.96 | 2.35 | 2.35 | 1.29 |
| Dry heat resistance (°C) | 200 | 200 | 200 | 120 | 240 | 240 | 120 |
| Intermittent wet heat resistance (°C) | 120 | 120 | 120 | 120 | 160 | 150 | 120 |
| Immersion temperature re- sistance (°C) | 70 | 70 | 70 | 60 | 130 | 110 | 70 |
| Mixing ratio by volume | 3:1 | 3:1 | 3:1 | 3:1 | 7:1 | 7:1 | 3:1 |
| Mixing ratio by weight | 5:1 | 8:1 | 5:1 | 4:1 | 18:1 | 18:1 | 3.25:1 |

| | 10°C | | | 20°C | | | 30°C | | | 40°C | | |
|------------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|
| | Pot life | Touch dry | Immersion | Pot life | Touch dry | Immersion | Pot life | Touch dry | Immersion | Pot life | Touch dry | Immersion |
| 201 | 60mins | 4hrs | 6 days | 30mins | 2hrs | 3 days | 15mins | 1hrs | 36hrs | 7.5mins | 30mins | 18hrs |
| 202 | 60mins | 6hrs | 4 days | 30mins | 3hrs | 2 days | 15mins | 90mins | 1 day | 7.5mins | 45mins | 12hrs |
| 203 | 40mins | 12hrs | 6 days | 20mins | 6hrs | 3 days | 10mins | 3hrs | 1.5days | 5mins | 90mins | 18hrs |
| 204 | 100mins | 8hrs | 8 days | 50mins | 4hrs | 4 days | 25mins | 2hrs | 2 days | 12.5mins | 1hrs | 1 day |
| 205 | 50mins | 6hrs | 6 days | 25mins | 3hrs | 3 days | 12.5mins | 90mins | 1.5 days | 6mins | 45mins | 18hrs |
| 206 | 50mins | 6hrs | 6 days | 25mins | 3hrs | 3 days | 12.5mins | 90mins | 1.5 days | 6mins | 45mins | 18hrs |
| 209 | 40mins | 4hrs | 4 days | 20mins | 2hrs | 2 days | 10mins | 60mins | 1 days | 5mins | 60mins | 24hrs |