



POLYCARBOXYLATE POLYMER PRODUCTS FOR CONCRETE

| PRODUCT | MAIN USE | SOLIDS (%) | pH | FEATURE & ADVANTAGE | MAIN APPLICATION |
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| ACYMA - GH | High range water reduction | 55% | 3,5 - 5,5 | Normal stickiness Good water reduction & reasonable slump retention | Normal - High Concrete (30 - 60 MPa) |
| WR - 790 | High range water reduction | 55% | 3,0 - 5,0 | Normal stickiness Good water reduction & reasonable slump retention | Normal - High Concrete (30 - 60 MPa) |
| WR - 780 | High range water reduction | 55% | 2,1 - 4,5 | Normal stickiness Good water reduction & reasonable slump retention | Normal - High Concrete (30 - 60 MPa) |
| WR - 750 | Super water reduction | 50% | 2,2 - 4,2 | A little higher stickiness Excellent water reduction | Normal - High Concrete And SCC |
| WR - 700 | High range water reduction | 50% | 1,5 - 4,5 | Good for low stickiness concrete | Normal - High Concrete |
| WR - 700M | High range water reduction | 50% | 5,5 - 7,5 | Normal stickiness Good water reduction & reasonable slump retention | Normal - High Concrete (30 - 60 MPa) |
| WR - 460 | High range water reduction | 50% | 5,5 - 7,5 | A little higher stickiness Good for use in SCC | Self-compacting concrete |
| EWR - 850 | High range water reduction | 55% | 2,1 - 4,7 | Ether based PC For lower concrete stickiness with good water reduction | Normal concrete (30 - 40 MPa) |
| EWR - 100 | Water reduction & Workability | 55% | 3,5 - 5,5 | Ether based PC For lower concrete stickiness with good water reduction | Normal concrete (30 - 40 MPa) |
| SWR - 685H | Water reduction & Workability | 55% | 4,5 - 6,5 | Good for low cement content grade concrete (below 40MPa) A little more water reduction and a little less slump retention than SWR-680 | Normal concrete (30 - 40 MPa) |
| RT - 611 HS | Water reduction & Workability | 55% | 5,5 - 7,5 | Good robustness with various kinds of cements and blended cements Good for lower stickiness in concrete | Normal concrete (30 - 40 MPa) |
| RT - 650H | Water reduction & Workability | 50% | 5,5 - 7,5 | Good workability for precast concrete | Normal concrete (30 - 40 MPa) |



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| SWR - 680S | Water reduction & Workability | 55% | 5,0 - 7,5 | Good for blended cements with Fly Ash or Slag Effective for higher early strength Higher compressive strength at 28 days Much more cost-effective | Normal concrete (30 - 40 MPa) |
| EWR - 810 | Water reduction & Workability | 55% | 2,1 - 4,7 | Ether based PC For lower concrete stickiness with reasonable water reduction and slump retention | Normal concrete (30 - 40 MPa) |
| RX - 7 | Super slump retention | 50% | 2,0 - 4,0 | Excellent slump retention for all grade concrete to be used with other water reducers | All grades of concrete |
| RX - 11 | Excellent slump retention | 55% | 5,0 - 7,0 | Excellent slump retention for normal concrete to be used with other water reducer Requirement for much longer slump retention | Normal - High Concrete (30 - 80 MPa) |
| ACYMA - QR1 | Prolong Slump retention | 55% | 2,1 - 4,7 | Prolong slump retention Applicable for low cement content concrete Low stickiness concrete High workability without bleeding or segregation | Normal concrete (30 - 40 MPa) |
| ESR - 870 | High range slump retention | 55% | 2,1 - 4,7 | Ether based PC For lower concrete stickiness and high cement content concrete with good slump retention | Normal concrete (30 - 40 MPa) |
| RT - 470 | Special Usage | 70% | 1,0 - 4,0 | For a low stickiness Specialized for fine aggregates like clay or dusts bearing sands with reasonable retention Must be used with other water reducers | All grades of concrete |
| ACYMA R540 | High slump retention | 60% | 4,4 - 6,4 | Allowed long range transportation of fresh concrete with its excellent retention ability | All grades of concrete |
| ACYMA H360 | High water reduction | 60% | 3,0 - 5,30 | Most cost effective Long slump retention Good for blending cement | All grades of concrete |
| ES - 900 | High early strength | 50% | 2,1 - 4,7 | Concrete production at lower temperature and precast concrete Good for lower stickiness in concrete | All grades of concrete |
| ACYMA - FS | Excellent early Compressive Strength | 45% | 5,0 (dulity) | Faster turnover of forms due to accelerated early strength development Natural curing Application | All grades of concrete |