

Resimer® Resins

RESIMER 400 ortho basis series

Good mechanical properties and heat resistance, excellent wetting power, for general use.

| Reference | Accelerated | Thixotropic | Viscosity/peas | Density (±0.05) | Gel/min (on a 200 gr mass at 20 °C, 1% MEKP 50) | Pic exotherme/ °C ± 10 °C | Tensile strenght Mpa | Bending strenght Mpa | Tensile modulus elasticity MPa | Elongation at rupture % | HDT/ °C | Comments |
|----------------------------|-------------|-------------|----------------|-----------------|---|------------------------------|-------------------------|-------------------------|-----------------------------------|----------------------------|---------|--|
| Resimer 400 | | | 2,5 – 3,5 | 1,1 | 8 – 11* | 160 | 65 | 100 | 4200 | 1,5 | 80 | Medium reactivity |
| Resimer 400 HK | | | 5 0 7 | 1,1 | 8 – 11* | 160 | 65 | 100 | 4200 | 1,5 | 80 | Medium reactivity, suitable for tropical climates. |
| Resimer 411 | ✓ | ✓ | 15 – 25 | 1,1 | 35 – 40 | 125 | 65 | 100 | 4200 | 1,5 | 80 | Suitable for use in hot weather. |
| Resimer 411 S | ✓ | ✓ | 15 – 20 | 1,1 | 25 – 30 (3% de P MEC) | 140 | 65 | 100 | 4200 | 1,5 | 80 | Slightly accelerated, tropicalized. |
| Resimer 411 Blanche | ✓ | ✓ | 15 – 25 | 1,1 | 35 – 40 | 125 | 65 | 100 | 4200 | 1,5 | 80 | Suitable for use in hot weather. |
| Resimer 412 | ✓ | ✓ | 15 – 25 | 1,1 | 20 – 30 | 140 | 65 | 100 | 4200 | 1,5 | 80 | Winter version. |
| Resimer 412 Blanche | ✓ | ✓ | 15 – 25 | 1,1 | 20 – 30 | 140 | 65 | 100 | 4200 | 1,5 | 80 | Winter version. |

* with addition of 0.5% cobalt to 6% in the resin.

Resimer[®] Resins

RESIMER 500 LES ortho basis series

Low styrene content and low reactivity, for high-thickness simultaneous spraying.

| Reference | Accelerated | Thixotropic | Viscosity/peas | Density (±0.05) | Gel/min (on a 200 gr mass at 20 °C, 1% MEKP 50) | Pic exotherme/ °C ± 10 °C | Tensile strenght Mpa | Bending strenght Mpa | Tensile modulus elasticity MPa | Elongation at rupture % | HDT/ °C | Comments |
|------------------------------|-------------|-------------|----------------|-----------------|---|------------------------------|-------------------------|-------------------------|-----------------------------------|----------------------------|---------|--|
| Resimer 511 Bleue | ✓ | ✓ | 22 – 27 | 1,1 | 65 – 80 | 125 | 65 | 100 | 4200 | 1,5 | 80 | Good vertical wall performance. Controlled exo peak. Summer version. |
| Resimer 512 Bleue | ✓ | ✓ | 18 – 22 | 1,1 | 50 – 70 | 125 | 65 | 100 | 4200 | 1,5 | 80 | Good vertical wall performance. Controlled exo peak. Winter version. |

Resimer[®] Resins

RESIMER 600 iso basis series

Good mechanical properties, good resistance to hydrolysis and chemicals. High wetting power. Good storage stability. For high mechanical performance laminates.

| Reference | Accelerated | Thixotropic | Viscosity/peas | Density (±0,05) | Gel/min (on a 200 gr mass at 20 °C, 1% MEKP 50) | Pic exotherme/ °C ± 10 °C | Tensile strenght Mpa | Tensile modulus elasticity MPa | Bending strenght Mpa | Bending modulus elasticity MPa | Elongation at rupture % | HDT/ °C | Comments |
|------------------------|-------------|-------------|----------------|-----------------|---|------------------------------|-------------------------|-----------------------------------|-------------------------|-----------------------------------|----------------------------|---------|--|
| Resimer 600 | | | 5 – 7 | 1,1 | 8 – 12* | 190 | 80 | 3300 | 130 | 3400 | 4 | 90 | Medium reactivity. |
| Resimer 611 | ✓ | ✓ | 9 – 11 | 1,1 | 35 – 45 | 135 | 80 | 3300 | 130 | 3400 | 4 | 90 | Medium reactivity, suitable for hot, humid areas. |
| Resimer 611 S | ✓ | ✓ | 9 – 11 | 1,1 | 25 – 30 (3% de MEKP) | 135 | 80 | 3300 | 130 | 3400 | 4 | 90 | Tropicalized resin for improved storage stability. |
| Resimer 612 | ✓ | ✓ | 9 – 11 | 1,1 | 20 – 30 | 110 | 80 | 3300 | 130 | 3400 | 4 | 90 | Winter version. |
| Resimer 3501 TH | ✓ | ✓ | 45 – 55 | 1,1 | 40 – 60 (1,5% de MEKP50) | 80 | 80 | 3300 | 130 | 3400 | 4 | 92 | Hybrid resin for enhanced strat recovery. Improved adhesion. |

* with addition of 0.5% cobalt to 6% in the resin.

Resimer[®] Resins

RESIMER 800 100% vinyl ester basis series

Excellent mechanical and chemical resistance. Good resistance to corrosion and hydrolysis. Suitable for high-performance applications.

| Reference | Accelerated | Thixotropic | Viscosity/peas | Density (±0,05) | Gel/min (on a 200 gr mass at 20 °C, 1% MEKP 50) | Pic exotherme/ °C ± 10 °C | Tensile strenght Mpa | Tensile modulus elasticity MPa | Bending strenght Mpa | Bending modulus elasticity MPa | Elongation at rupture % | HDT/ °C | Comments |
|--------------------|-------------|-------------|----------------|-----------------|---|------------------------------|-------------------------|-----------------------------------|-------------------------|-----------------------------------|----------------------------|---------|------------------|
| Resimer 811 | ✓ | ✓ | 9 – 11 | 1,1 | 35 – 45 | 150 | 72 | 3600 | 130 | 3700 | 2 | 135 | Low reactivity. |
| Resimer 812 | ✓ | ✓ | 9 – 11 | 1,1 | 15 – 25 | 150 | 72 | 3600 | 130 | 3700 | 2 | 135 | High reactivity. |

Resimer[®] Resins

Casting compound

| Reference | Viscosity/peas | Density ($\pm 0,05$) | Thixo index | Gel/min (on a 130 gr mass at 20 °C, 2% MEKP 50) | Pic exothermique/ °C | Comments |
|-----------|----------------|------------------------|-------------|---|----------------------|---|
| MDC-LP | 250 – 350 | 0,8 | $\geq 2,5$ | 15 – 25 | ± 70 | Low density, good flowability, compensated shrinkage close to 0. No abrasive fillers. |
| MDC-17880 | 180 – 200 | 1,13 | ≥ 3 | 15 – 20 | ± 75 | Low shrinkage, good detail reproduction, no abrasive fillers. Ideal for rotational molding. |