

| | R-001 | R-002 | R-003 | R-210 | R-211 | RS | R-310 | RD-5 |
|---|--------------------------------|--------------------------------|--|--|--|--------------------------------|--------------------------------|-------|
| Type acc. ISO 591 | R-2 | R-2 | R-2 | R-2 | R-2 | R-1 | R-3 | R-1 |
| Type acc. ASTM D-476 | II | II | II,VII | II,VII | III,VI | II | III | I |
| Inorganic treatment | Al ₂ O ₃ | Al ₂ O ₃ | Al ₂ O ₃ ZrO ₂ | Al ₂ O ₃ SiO ₂ | Al ₂ O ₃ SiO ₂ | Al ₂ O ₃ | Al ₂ O ₃ | - |
| Organic treatment | + | + | + | + | + | + | + | - |
| Specific density [g/cm ³] | 4,1 | 4,0 | 4,1 | 4,0 | 3,9 | 4,1 | 3,8 | 4,2 |
| Loose bulk density [g/cm ³] | 0,56 | 0,55 | 0,54 | 0,55 | 0,52 | 0,52 | 0,47 | 0,43 |
| Tamped apparent density[g/cm ³] | 1,02 | 1,04 | 1,02 | 1,05 | 1,03 | 0,95 | 0,95 | 0,96 |
| TiO ₂ content min. [%w/w] | 95,0 | 92,0 | 94,0 | 94,0 | 92,0 | 98,0 | 88,0 | 98,0 |
| Matter volatile at 105°C, max. [%w/w] | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 1,5 | 0,5 |
| Matter soluble in water, max. [%w/w] | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 0,6 | 0,7 | 0,6 |
| Residue on sieve of 45µm, max. [%w/w] | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 | 0,02 |
| Lightness | 95,5 | 95,0 | 95,0 | 95,0 | 95,0 | 95,5 | 95,0 | 95,0 |
| Full shade | -7,0 | -7,0 | -7,0 | -7,0 | -7,0 | -7,0 | -7,5 | -7,8 |
| Relative scattering power* | 100 | 96 | 102 | 100 | 94 | n.a | n.a | 94 |
| Lightening power | 1850 | 1840 | 1850 | 1850 | 1800 | 1830 | 1830 | 1750 |
| Undertone | 3,5 | 3,5 | 3,25 | 2,5 | 2,5 | 3,5 | 2,0 | 2,2 |
| pH value of aqueous suspension | 7,5 | 7,5 | 7,5 | 7,7 | 7,8 | 7,5 | 7,5 | 7,5 |
| Oil absorption [g/100g] | 21 | 23 | 21 | 24 | 28 | 18 | 21 | 18 |
| Resistivity of aqueous extract min. [Ohm x cm] | 8 000 | 8 000 | 8 000 | 8 000 | 8 000 | 8 000 | 3 000 | 2 000 |
| Mean particle size [µm] | 0,29 | 0,31 | 0,30 | 0,31 | 0,32 | 0,26 | 0,31 | 0,31 |
| Chalk resistance | G | VG | VG | VG | VG | VG | VG | M |

n.a – not applicable M - medium G - good VG – very good

* determined in relation to the internal standard of TYTANPOL® R-001 grade in alkyd paste with TiO₂ volume concentration equal to 17%