

ALPHAWHITE TI RC GX – Product Family

Product Properties:

Rutile pigment is micronized to reach the fineness of the primary particles of about 0,3 µm. Pigment grade rutile is usable in all kind of technical applications, such as paints, coatings, paper, paperboards, adhesives, plastics and rubber, printing inks, coated fabrics and textiles, catalyst systems, floor coverings, ceramics, roofing materials, cosmetics, food colorants, water treatment agents and automotive products.

PASSION AND EXCELLENCE IN WHITENESS

Key Benefits at a glance:

- Excellent light scattering properties
- High wet and dry white opacity and brightness
- Minimize decomposition of organic binders
- Impression of “space” with interior paints
- Adsorption of UV energy by different uses
- Energy savings in tropical areas



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Introduction:

ALPHAWHITE TI RC GX is a special rutile pigment, lattice stabilized with aluminium, surface treated with Al- and Si-compounds as well as pre-dispersed. Due to its fineness and special surface treatment, **ALPHAWHITE TI RC GX** has an excellent hiding power, a high whiteness and a high specific surface. Fields of application are coating colours in paper industry, paints, varnishes and PVC plastisoles.

Chemical and Physical Data:

| Product | Composition TiO ₂ -Rutil pigment [%] | Sieve residue > 40 µm [%] | Whiteness Ry | Spec. surface BET [m ² /g] | Moisture [%] | Bulk density (untamped) [g/ml] |
|-------------------------------------|---|------------------------------------|-----------------|--|-----------------|--------------------------------------|
| ALPHAWHITE TI RC GX 81 P | 85 | < 0.01 | 97 | 14 | < 0.5 | 0.5 |
| ALPHAWHITE TI RC GX 1 P | 75 | < 0.01 | 97 | 14 | < 0.5 | 0.5 |
| ALPHAWHITE TI RC GX 50 C | 50 | < 0.1 | 97 | 8 | < 0.5 | 0.8 |

Application examples:

Paints and coatings:

- Applications: wallpaper coatings, dispersion paints, high gloss dispersions primers, plaster & road marking paints
- Impression of luminosity by interior using

Paper:

- Applications: carton-paper coatings, decorative paper
- High whiteness and opacity

Special applications:

- Enamel ceramics, white concrete, printing inks
- Highest whiteness and brilliant color

