

EVERWHITE™ PIGMENT*, "EWP-5" FINE GROUND PIGMENT

EverWhite™ Pigment, "EWP - 5," is a highly refined silica based mineral used to replace other inorganic pigments like titanium dioxide, TiO₂. This ultra-white pigment produces a consistent reproducible color foundation for cement, plastic, or coating products. EWP-5 is specially formulated to reduce discoloration and has a durability equal to other specialty minerals like white quartz and TiO₂ based pigments.

| TYPICAL PARTICLE SIZE (LASER DIFFRACTION) | | TYPICAL MEASURED PROPERTIES | |
|--|-----|-----------------------------|------|
| D-90 (µm) | 5.8 | Hunter L | > 98 |
| D-50 (µm) | 2.4 | a | 0.7 |
| D-10 (µm) | 1.3 | b | 1.0 |

| GENERAL PROPERTIES | | | |
|--------------------|--------|------------------|------|
| Mohs Hardness | 6 - 7 | Refractive Index | 1.49 |
| pH | 9 - 10 | Specific Gravity | 2.33 |

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APPLICATION APPROACH: The amount of TiO₂ pigment you can replace with EWP-5 depends on the formulation and the final application. A recommendation is to start with partial replacement (extender) instead of full replacement and gradually decrease TiO₂ from the formulation. Note that EWP-5 is roughly half the density which allows the manufacturer more options in substitution.

***PATENT PENDING**

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DISCLAIMER: The information set forth in this Technical Data Sheet represents typical properties of the product described; the information and the typical values are not specifications. U.S. Silica Company makes no representation or warranty concerning the Products, expressed or implied, by this Technical Data Sheet.

WARNING: The product contains crystalline silica (quartz, cristobalite) which can cause silicosis (an occupational lung disease) and lung cancer. For detailed information on the potential health effect of crystalline silica (quartz, cristobalite), see the U.S. Silica Company Safety Data Sheet.