

Product Data



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HWE-2303

WHITE TITANIUM DIOXIDE COLOR CONCENTRATE

HK Research Corporation has developed HWE-2303 White Color Concentrate using the finest Rutile Titanium Dioxide Pigments available to our industry today. This product is suitable for use in Respecta and other similar matrix mixing machines, as well as for conventional mixing methods.

HWE-2303 is distinguished by the following characteristics:

***** LOW VISCOSITY, POURABLE *****

***** HIGH HIDING *****

***** STABLE FOR OVER A YEAR *****

***** NO FILLERS OR EXTENDER - PIGMENT & VEHICLE ONLY *****

***** BLENDS READILY WITH POLYESTER MATRIX *****

APPLICATION

HWE-2303 is designed for incorporation in the base marble matrix. The normal recommended level is 0.5-2.0% of the total mix weight but this will vary depending on the effect desired by the marble manufacturer. This color concentrate is readily soluble in polyester matrix systems but we do recommend that the color concentrate be dissolved into the resin prior to adding the filler in order to obtain fast, uniform dispersion of the color. The pigment and vehicle chosen for HWE-2303 are totally compatible with polyester matrix systems and will mix readily with such systems to contribute to uniformly high quality cultured marble castings. HWE-2303 exhibits excellent dispersion characteristics in mass production equipment such as the Respecta. The ease of dispersion in this type of equipment is important due to the short retention time typical for such mixing machinery.

TYPICAL PROPERTIES

Weight per Gallon, 77°F	17.5
Specific Gravity, 77°F	2.1
Viscosity, cps, 77°F	3,000 - 6,000
Shelf Life, 77°F	12 months minimum

MIXING

Prior to removal from the shipping container, it is recommended that the materials be mixed thoroughly to reincorporate any "settled" or "stratified" material. It is further recommended that the material in the shipping container be mixed at least once a week during its use period. This mixing procedure would assure the most uniform properties during application of the concentrate. Mechanical mixing is recommended and equipment should be sufficient to "turn" the material 10 times or more.