



## 406-35461 Z-Coat Yellow Oxide-S

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**DISPERSION:** PRODUCT 406-35461 IS A SOLVENT-BORNE PIGMENT DISPERSION DESIGNED FOR USE IN COATINGS THAT ARE CURED USING ISOCYANATES OR MELAMINES. IT IS PROCESSED TO A TECHNO-COMMERCIAL OPTIMUM TO PROVIDE MAXIMAL OPACITY AT MODERATE COST.

**PIGMENT:** THIS PIGMENT IS THE LARGE-CRYSTAL, OPAQUE FORM OF PIGMENT YELLOW 42. AS A PURE, PRECIPITATED PRODUCT IT IS FREE OF CONTAMINANTS AND IS DRY-MICRONIZED PRIOR TO DISPERSION. OUTDOOR DURABILITY IS EXCELLENT. BAKING TEMPERATURE SHOULD BE LIMITED TO 325° F.

**POLYMER:** A BROADLY COMPATIBLE ACRYLIC RESIN HAVING PRIMARY HYDROXYL GROUPS IS USED AS THE DISPERSION VEHICLE FOR THIS PRODUCT. IN ADDITION TO VERY GOOD HEAT AND LIGHT STABILITY THIS RESIN EXHIBITS GOOD COMPATIBILITY WITH BAKING ALKYDS, WITH BAKING POLYESTERS, AND WITH ALIPHATIC AND AROMATIC ISOCYANATES FOR URETHANE APPLICATIONS.

**SOLVENT:** TERTIARY BUTYL ACETATE AND PCBTF ARE THE SOLE SOLVENTS MAKING THIS PRODUCT SUITABLE FOR ZERO VOC FORMULATIONS ACROSS MOST MAJOR REGULATORY VENUES.

**PAINT MAKING:** IN ADDITION TO USING THIS PRODUCT TO CREATE NEW ZERO VOC COATINGS FORMULATORS CAN ALSO MODIFY PREEXISTING CONVENTIONAL COMPOSITIONS THUS OBTAINING THE USE OF MULTIPLE DISPERSIONS TO SERVICE DIFFERENT PRODUCT LINES. IN EACH SUCH APPLICATION THE PAINT MAKER CAN EXPECT EASY BLENDING, GOOD COMPATIBILITY, HIGH GLOSS, AND RAPID CURE.

**PRODUCT  
CONSTANTS:**

SPECIFIC GRAVITY	1.59
VOLATILE CONTENT	33.3%
VEHICLE SOLIDS	21.7%
PIGMENT YELLOW 42	45.0%
V.O.C.	0.0 lbs.

DATE: 01 MAY 2007  
SUPERSEDES: 26 OCTOBER 2006