

The qualities of

# CERAM-A-STAR 1050

The industry's best silicone-modified polyester coil coating system



## Product Information and Performance Specifications for CERAM-A-STAR 1050 High Performance Silicone Polyester Finishes

**AkzoNobel**  
Tomorrow's Answers Today

### Product Information

CERAM-A-STAR® 1050 is a silicone-modified polyester coil coating system designed exclusively for the metal construction industry. It's the industry's best and strongest SMP coil coating system available, offering superior color stability, chalk resistance, fade resistance and gloss retention. It's proprietary resin formulation provides the backbone for this revolutionary SMP system. It's combined with ceramic and inorganic pigments and other enhancements to our award-winning CERAM-A-STAR® 950 system to create the most durable SMP finish available.

The two-coat system, using our high-performance primer, provides exceptional durability and offers superior resistance to moisture and UV exposure, with excellent flexibility and abrasion resistance. The unique and highly-durable topcoat provides the best color stability and gloss retention of any SMP product.

In fact, the color stability of CERAM-A-STAR® 1050 rivals that of KYNAR 500® and HYLAR® 5000 coatings, while offering excellent resistance to dirt pickup and atmospheric stain. Its scratch- and abrasion-resistance are big bonuses during transit, handling and installation as well – particularly in hot weather. These qualities in particular make CERAM-A-STAR® 1050 an excellent alternative to PVDF coatings in certain applications where hot hardness and handling issues are of concern.

CERAM-A-STAR® 1050 represents a level of performance surpassing that of all previous silicone-modified polyester finishes. It closes the performance gap with PVDF as it approaches the long-term results of the higher priced coating — while combining the best technological balance of flexibility and toughness.

### Field Performance

CERAM-A-STAR® 1050 is one component of a total paint system, when applied in accordance to specifications the following field performance can be expected.

	Vertical	Non-Vertical
Film Integrity	40 years	40 years
Chalk	No more than #8 for 30 years	No more than #6 for 30 years
Fade	No more than 5 ΔE Hunter units for 30 years	No more than 7 ΔE Hunter units for 30 years

### General System Information

CERAM-A-STAR® 1050 is approved for use on the following substrates: Hot-Dipped Galvanized (HDG), Galvalume®, Galfan and Aluminum.

CERAM-A-STAR® 1050 is a factory applied finish that is applied through roll coating to properly cleaned and pre-treated first quality substrates, and then oven baked to cure. It is a two coat system, composed of a topcoat over AkzoNobel's High-Performance primer.

### CERAM-A-STAR® 1050

#### COOL CHEMISTRY® Series

CERAM-A-STAR® 1050 is also available in our COOL CHEMISTRY® series which contain ceramic infrared reflective pigments. These special pigments are designed to reflect infrared energy while still absorbing visible light energy, thus appearing as the same color yet staying much cooler. When COOL CHEMISTRY® Series paints are used on metal roofing, the result is a sustainable building material that can lower air conditioning costs, reduce peak energy demand, and help to mitigate urban heat island effects. COOL CHEMISTRY® Series versions are available of our high performance coatings for building products.



Our 29 ga steel is Listed with Underwriters Laboratories having a class 1-4 rating on uplift and impact resistance.

