

XL2000™ Product Sheet



KECO Engineered Coatings has designed a unique internal and external ceramic coating system for the most intense heat shielding barrier, withstanding temperatures up to 2000°F – the KECO XL2000™.

KECO XL2000™ extreme temperature coating is engineered especially for turbos, high performance diesel and racing applications and is designed to be applied primarily to exhaust components. Its properties will remain color stable and stain resistant at exhaust gas temperatures up to 2000°F.

Due to its unique ceramic nature, the coating also functions as a very effective thermal barrier, with reduced thermal radiation characteristics. The coating cures to a very hard, durable surface with excellent adhesion.

The KECO XL2000™ coating provides:

- Reduced temperature under the hood and on the exhaust manifold surface.
- Improved exhaust gas velocity, resulting in horsepower increase.
- Single coat coverage. Dry film thickness of .001" to .0015".
- Easy removal of the "chalk-like" appearance that excessive heat over 2000° can cause. The "chalk like" appearance can be wiped away with a clean cloth and will not affect coating performance.

BENEFITS OF AN INTERNAL AND EXTERNAL COATING APPLICATION

KECO XL2000™ uses an extremely effective ceramic component to allow minimal transfer of heat to reduce the load on the cooling system.

The benefits:

1. Maintains adhesion at base metal temperatures in excess of the temperature at which aluminum melts.
2. Survives cyclic heating and cooling.
3. Reduces the tendency of an engine to experience detonation.
4. Protects against corrosion from chemicals, heat, and internal exhaust gases.
5. Enhances the aesthetic appeal and protects, helping increase part longevity.



Frosted Silver



Black

TESTING DATA:

ADHESION:	(Tape Test ASTM D 3359) 5B.
PENCIL HARDNESS TEST:	In excess of 8H.
IMPACT TEST:	(ASTM D 2794 2 LB weight) 48" on both sides of a coated plate and no delamination occurred.
FLEXIBILITY/BENDING ADHESION:	180° no delamination.
THERMAL TEMPERATURE RESISTANCE:	Adhesion to over 2000°F.
SALT SPRAY RESISTANCE:	(ASTM B117) 1000 hours.
CORROSION TEST DATA:	Good.
THERMAL SHOCK:	Pass.
ELECTRICAL PROPERTIES:	Conductive.
CHEMICAL RESISTANCE:	Good.