

7032

CAST METAL SEALANT

KATS 7032 is an acrylic water-based sealant that has been formulated to eliminate porosity leaks through the process of polymer impregnation. It is suitable for use on ferrous and non-ferrous castings and carbon fiber products.

KATS 7032 fills and covers small voids that may be inherent in the materials. It will enhance the bonding capability of powder coats, water based paints, and other types of coatings.

Surface must be clean and dry. The surface temperature can be up to 200°F (93.3°C).

The item to be coated can be placed in a vat of product or a generous flow of product can be poured over the surface.

Allow the coating to dry 20-30 minutes at room temperature before handling.

Wet Film Thickness: 0.5 - 1.0 mil (12.7 - 25.4 microns)
 Dry Film Thickness: 0.1 - 0.2 mil (2.5 - 5.1 microns)

Coverage: 2000 ft²/gal - 4000 ft²/gal (49.3m²/l - 98.5m²/l)

BENEFITS:

- Solidifies to block differential pressure and leaks
- Reduces rejected material due to voids
- Improved machinability of powder metal components
- Contains only 0.1 lb/gal (12 gm/liter) of VOC's
- Fast drying
- Dries clear
- Non-flammable
- Environmentally safe

APPLICATIONS:

Use KATS 7032 to seal porosity on cast metal such as cast iron, aluminum, magnesium and bronze. Also suitable for use on powder metal components.

- Engines
- Manifolds
- Coolant connectors
- Transmission cases
- Pump housings
- Fluid power components

| TEST METHOD | DESCRIPTION | TYPICAL CHARACTERISTIC |
|-------------------------|---|------------------------|
| MKA 02W001 | Pressure Test Bubbling of Coated Item at 25 psig | None |
| ASTM D-3359 | Adhesion Test Paint Loss | None |
| MKA 02W039 | Pressure Test Leaks after 60 days at 300°F (149°C) | None |
| ASTM D-2196 Modified | Brookfield Viscometer Spindle 1 @60 rpm @ 72°F (22°C) | 4-10 cps |

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

| | | |
|---------------------|--------------------|-------------------|
| 260 Gallon Totes | 55 Gallon Drums | 5 Gallon Pails |
|---------------------|--------------------|-------------------|

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