

MASTERCOAT®

THE MASTERSERIES COATING LINE

MASTERCOAT CUSTOM CHASSIS BLACK COATING DATA SHEET

DESCRIPTION: One part aromatic urethane moisture cured finish for frames and floor pans.

COLOR: High gloss black.

PACKAGING: Pints, quarts, and gallon containers. MasterSeries Custom Chassis Black provides a chassis coating that is very durable, corrosion resistant, and has a high degree of chemical and solvent resistancy and extremely high chip resistancy. MasterSeries Custom Chassis Coating can be brushed on with nylon paint brushes and will not leave brush marks.

USES: MasterSeries Custom Chassis Coating is recommended for frames, firewalls, engine components, trunk compartments, and floor pans inside and out.

SURFACE PREPARATION: Previously painted and rusted surfaces for optimum surface preparation, sandblasting is recommended. Apply two coats MasterSeries silver permanent rust sealer/primer. If sandblasting cannot be done, scrape/wirebrush all loose paint and heavy rust and apply two coats of MasterSeries silver rust sealer as per container directions and top coat with MasterSeries Chassis Coating. MasterSeries Chassis Coating can be directly applied over tightly adherent rust, but the use of MasterSeries silver primer will extend the service life 20 to 25 years.

SUNLIGHT SENSITIVITY: MasterSeries Custom Chassis Coating (black) is sunlight sensitive. It is not recommended for areas exposed to sunlight such as wheels, bumpers, and outer body. For areas exposed to sunlight, AG 111 is recommended.

TEST DATA:

Salt spray 5% (ASTM B117)

2 coats MasterSeries permanent rust sealer

1 coats Chassis Black applied to a rusted panel with an "x" scribed through the center. After 14,000 hours salt spray exposure, only slight undercutting was noted along the "x". This was less than 1/32" undercut.

RECOMMENDED THINNERS: MCT 101, xylene or Naptha

REDUCTION: 5% for spray applications if needed.

RECOMMENDED # OF COATS: 2 coats.

APPLICATION TEMPERATURES: Minimum 25°F.

RECOAT TIME: 3 hours minimum. 48 hours maximum.

DRYING TIME - 75°F 50% relative humidity • To touch 0.7 hours • Tack free 1.25 hours • Hard dry 3 hours

Note: When recoating beyond 48 hours, scuff with 220 grit paper to ensure intercoat adhesion.

APPLICATION: MasterSeries may be applied by brush, roller (short nap) or spray (atomizing or airless). These coatings are moisture curing and it is extremely important that the surface be free of all moisture prior to coating application. Also the coating should dry for a minimum of one hour at 75°F and 50% R.H. prior to being subjected to moisture (rain); longer at lower temperatures and relative humidity.

Custom Chassis Coating should be stirred for a minimum of 2 full minutes. This ensures that the carbon black pigment will flow out smoothly. If grittiness occurs, continue stirring the container until grittiness is dissolved.

CAUTIONS: DIFFICULT TO REMOVE FROM SKIN. Wear gloves and protective clothing. Moisture in skin will cause rapid curing. The use of gloves cannot be overstated.

COMBUSTIBLE: Keep away from heat, sparks, and open flame. Refer also to Material Safety Data Sheet.

IMPORTANT: Clean equipment immediately after use. If coating is allowed to harden on equipment, an industrial paint stripper is required to remove it.

NEW METAL SURFACES: New metal surfaces should be sandblasted for optimum adhesion. This is to provide an anchor pattern and to remove mill scale from hot rolled steel. Where sandblasting cannot be done, the use of an acid based metal prep is recommended. Scuff new metal with 220 grit sandpaper to ensure maximum adhesion.

HEAT TEST: 2 coats MasterSeries Chassis Coating applied to rusted panels and subject to 350°F for 15 days. There appear to be no loss of adhesion or blistering of film.

SOLVENT RESISTANCY: After curing for 7 days at room temperature, MasterSeries Chassis coated panels were subject to various solvents and found to be extremely resistant. After 30 days exposure there was no failure or noticeable attack by solvents such as xylol, toluol, or other aromatics. Alcohols and glycols showed no attack. Also, ester solvents such as ethyl glycol acetate had no effect. Acetone softened the film after 10 days, although it hardened upon removal. Methylene chloride destroyed the film in two days. Gasoline, diesel fuel, and JP-4 jet fuel had no effect on the coating.

PRECAUTIONS: Contains aromatic polyisocyanate prepolymer. Use adequate ventilation, in confined areas, use adequate forced ventilation during application and drying. When spraying, a fresh air mask such as #W 292 manufactured by 3M should be used. Harmful or fatal if swallowed. If swallowed, do not induce vomiting. Call physician immediately.

**MASTERSERIES CHASSIS BLACK IS NOT RECOMMENDED FOR AREAS EXPOSED TO DIRECT SUNLIGHT.
USE AG 111 BLACK FOR THIS APPLICATION.**

SPECIAL BRUSHING INFORMATION: APPLICATION TEMPERATURE SHOULD BE ABOVE 50 DEGREES. APPLY IN THIN COATS. HEAVY COATS WILL RESULT IN BUBBLING. CLEAN BRUSHES WITH URETHANE REDUCER IF BRUSHMARKS OCCUR. PERSISTANT BRUSHMARKS: REDUCE BLACK 5% WITH REDUCER.

WARNINGS: Keep out of reach of children. Harmful or fatal if swallowed. Vapor harmful. Use with adequate ventilation. Avoid contact with skin. Combustible. Keep away from heat and open flame. Close container after use. Avoid contact with eyes and skin. In case of eye contact flush immediately with plenty of water for 15 minutes. CALL A PHYSICIAN. In case of skin contact wash thoroughly with soap & water.

COMBUSTIBLE. Use only with adequate ventilation. If engineering and administrative controls of contaminants are not feasible wear a vapor/particulate respirator such as #8711 manufactured by 3M Co. or equivalent during application and until work area has been exhausted of all vapor and spray mist. Individuals with chronic respiratory problems or prior respiratory reactions to isocyanates must not be exposed to vapors or spray mist containing isocyanates. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label information available.

CONTAINS AROMATICPOLYISOCYANATE PREPOLYMER, MAY CAUSE LUNG IRRITATION AND ALLERGIC RESPIRATORY REACTION.

**P
M Industries**

939 Westbrook Road,
West Milford, NJ 07480

To order or for more information, call us at

1-800-833-8933

Monday through Friday 9am – 9pm EST

Visit us on the web at

www.mastercoatus.com