



www.medallionrefinish.com

5751 N. Webster Street  
Dayton, OH 45414-0802  
Phone 937-890-6547  
Toll Free 800-257-6547  
Fax 937-890-6320

## MRS-80/82

## TECHNICAL DATA

### “DTAM” 2.1 V.O.C. Primer Surfacer



#### DESCRIPTION:

**MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** is a high build, **direct to all metal** primer surfacer. This **isocyanate free** primer surfacer is V.O.C. compliant in all 50 states. **MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** has excellent corrosion resistance properties when applied to any bare metal, therefore, the pre-treatment primer step is eliminated. **MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** has excellent adhesion to cold rolled steel, aluminum, galvanized, galvaneal, body filler, fiberglass, SMC.

**MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** has excellent leveling features and sands easily without loading sandpaper. Its medium gray color and superior chemical resistance eliminates the need for primer sealer in many applications thus saving material and labor cost.

#### FEATURES:

- ✓ Superior sanding
- ✓ Excellent corrosion resistance
- ✓ Non-isocyanate
- ✓ Fantastic adhesion
- ✓ 2.1 lbs/gal (252 g/l) V.O.C.
- ✓ 4 to 1 mix ratio (reducer optional)
- ✓ Excellent solvent resistance
- ✓ Excellent color hold-out
- ✓ Eliminates pre-treatment and sealer steps; saves time, increases thru-put



#### COMPATIBLE SUBSTRATES:

Properly prepared cold rolled steel, stainless steel, aluminum, galvanized, galvaneal, fiberglass and SMC  
Properly prepared rigid and semi rigid auto body parts  
All brands of polyester fillers and glazing putties  
Properly cleaned, sanded O.E.M. and aftermarket coatings  
Factory E-coats



#### INSTRUCTIONS:

Shake the **MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** thoroughly before mixing.

#### GUN SETUP:

Conventional Gravity	1.6mm -1.8mm	40-45 psi @ gun
Siphon	1.6mm -1.8mm	40-45 psi @ gun
HVLP gravity	1.6mm -1.8mm	8-10 psi @ gun

#### MIXING:

Mix 4 parts **MRS-80 “DTAM” 2.1 V.O.C. Primer Surfacer** to 1 part **MRS-82 Activator**.

For additional flow or less film build

(Optional) 4:1:1(4 parts primer 1 part activator 1 part Reducer

**MRS-80-TDS**  
11/07



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**National V.O.C. Regulation 4.8 lbs/gal (576 g/l)**

**Reducers:**

<b>RS-1860</b>	Fast Urethane Grade Reducer
<b>RS-1870</b>	Medium Urethane Grade Reducer
<b>RS-1885</b>	Slow Urethane Grade Reducer
<b>RS-1895</b>	X-Slow Urethane Grade Reducer

**California V.O.C. Regulation 2.1 lbs/gal (252 g/l)**

**Reducers:**

<b>MRS-165</b>	Zero V.O.C. Universal Reducer-Fast
<b>MRS-175</b>	Zero V.O.C. Universal Reducer-Medium
<b>MRS-185</b>	Zero V.O.C. Universal Reducer-Slow



**SURFACE PREPARATION:**

Wash area with soap and warm water. Thoroughly clean area with **RS-608 Slow Wax and Grease Remover** or **RS-609 Wax and Grease Remover**. **RS-612 Low V.O.C. Pre Clean** must be used where VOC restrictions apply.



**Body Filler:**

Sand area according to body filler manufacturer's recommendations. Sand OEM surfaces with 180-220 grit sandpaper. Reclean with wax and grease remover.

**Cold Rolled Steel, Galvanized Steel & Galvaneal:**

Sand area with 180-220 grit sandpaper. Reclean with wax and grease remover.

**Aluminum:**

Scuff surface with a red scuff pad **RS-924 General Purpose Maroon Pad** or equivalent. Reclean with wax and grease remover. **Do not use coarse grit sandpaper.**

**Factory E-coat**

Wash area with soap and warm water. Thoroughly clean area with **RS-608 Slow Wax and Grease Remover** or **RS-609 Wax and Grease Remover**. **RS-612 Low V.O.C. Pre Clean** must be used where VOC restrictions apply. Allow surface to dry thoroughly. Apply 2-3 full wet coats of **MRS-80 "DTAM" 2.1 V.O.C. Primer Surfacer**



**APPLICATION:**

Apply 2-3 full wet coats of **MRS-80 "DTAM" 2.1 V.O.C. Primer Surfacer** using a good quality spray gun with a 1.6 to 1.8 tip. Allow 10-15 minutes flash time between coats. **MRS-80 "DTAM" 2.1 V.O.C. Primer Surfacer** can be baked for 35 minutes @ 140°F (60°C).



**SANDING:**

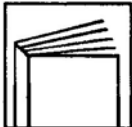
Allow **MRS-80 "DTAM" 2.1 V.O.C. Primer Surfacer** to thoroughly cure before sanding. Allow 60 minutes @ 70°F (21°C) air dry **for each coat** of primer applied. For example, apply two coat allow 2 hours dry time before sanding. Apply three coats, allow 3 hours before sanding. Sand primer surfacer with 180-220 grit sandpaper. If applying a sealer over the primer surfacer, finish sand with 320-400 grit sandpaper. If applying topcoat directly over the **MRS-80 "DTAM" 2.1 V.O.C. Primer Surfacer** finish sand with 400-500 grit sandpaper when applying basecoat and 320-400 grit sandpaper for a single-stage system.



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## TECHNICAL DATA



Color	Medium Gray
Activator/Hardener	MRS-82
Reducers	
National Rule	RS-1860, 1870, 1885, 1890
California	MRS-165, 175, 185
Mix Ratio	4 parts primer, 1 part activator (reducer optional)
Pot Life	1 hr. @70°F (21°C)
Number of Coats	2-3
WFT/coat	4 mils/coat
DFT/coat	2 mils/coat
Flash Time	10-15 minutes
Recoat w/o sanding	30 minutes
Dry to Sand	
Air Dry 70°F (21°C) 50% RH	60 mins. @70°F (21°C) for each coat
Force Dry	35 mins. @140°F (60°C)
Gun Set-Up Gravity Feed (HVLP)	1.6mm – 1.8mm
Air Pressure @ Gun (HVLP)	8 – 10 psi
Air Pressure @ Gun (Conventional)	40 -45 psi
V.O.C. Limit	2.1 lbs/gal (252 g/l)
Sprayable V.O.C.*	2.1 lbs/gal (g/l) 4:1 mix 2.1 lbs/gal (g/l) 4:1:1 mix with Zero V.O.C. Reducer
% Solids Sprayable by Weight	55% @ 4:1 mix
Coverage Sq. Ft. / gal @ 1 mil*	440 sq. ft. 4:1 mix 370 sq. ft. 4:1:1 mix
Package	Quart
Per case (quarts)	Gallon
(gallons)	6
	4
Shelf Life	12 months

Material Safety Data Sheet (MSDS) is available on our website  
[www.medallionrefinish.com](http://www.medallionrefinish.com)

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