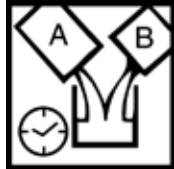




**SUITABLE SUBSTRATES**

- OEM Enamels
- Aged Refinishes
- DIMENSION® Undercoats



8 DIMENSION® National Rule Acrylic Enamel Single Stage Color 5A

+ 2 DIMENSION® DR730 Series Reducers DR732-DR736\*

+ 1 DIMENSION® Hardeners DH654 or DH656

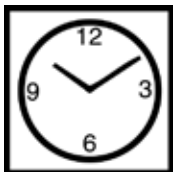
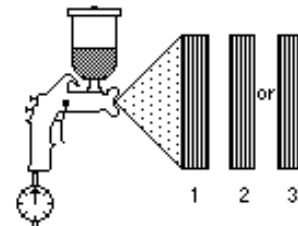
Reducer Selection Chart*	
Reducer	Temperature
DR732 Cool	50°F-65°F
DR733 Moderate	55°F-70°F
DR734 Warm	65°F-85°F
DR735 Hot	80°F-95°F
DR736 Tropical	90°F & Up

\*NOTE: Consider size of repair, air flow and spray conditions with reducer selection.



**APPLICATION**

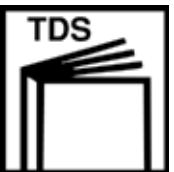
- Apply 2-3 medium coats or until hiding is achieved.
- Allow each coat to flash 10-15 minutes.
- 8-10 psi at air cap - HVLP.
- 22-24 psi inlet - Compliant spray gun.
- 10-12 fluid ounces per minute and 30-35 psi - Pressure pot.
- See page 2 for application techniques.



**RECOAT**

- May be recoated with itself up to 24 hours. Must be scuffed or sanded after 24 hours.

**NOTES**



- Pot Life: 2 hours at 75°F.
- To achieve different gloss levels, add DIMENSION® Flattener Additive DA668. For more information please refer to product data sheet DM2020.
- For increased ultraviolet durability, add 3% by volume DIMENSION® UV Additive DA30 to the ready to spray color (Use FormulaExpress® color retrieval system to find exact amounts).
- If fisheyes are a problem, add DIMENSION® Fisheye Eliminator DA667 in the following amounts:
  - 2 - 6 capfuls per quart of **unreduced** color.
  - 1 - 3 capfuls per quart of **ready to spray** color.
  - 1 capful = 1/3 ounce or 9 grams.



**PERSONAL PROTECTION**

- For use by trained professionals only.
- Read label, product data sheet, and MSDS before use.
- Use appropriate Personal Protective Equipment while mixing and spraying.



**PRODUCT DESCRIPTION**

DIMENSION® National Rule Acrylic Enamel Single Stage product is: 1) An economical acrylic enamel line capable of producing thousands of colors; 2) Capable of matching to a vehicle's original color; and 3) Designed for overall refinishing. This product offers improved coverage, gloss, flow, and leveling. DIMENSION® National Rule Acrylic Enamel Single Stage product uses the DIMENSION® Urethane Hardener DH656 which improves the final appearance. This product meets the National Rule regulations of 5.0 lbs/gal VOC, and uses the "5A" intermix prefix.

**SURFACE PREPARATION**

1. Clean with appropriate Sherwin-Williams® surface cleaner\* and wipe dry with a clean cloth.
2. Treat sand-throughs to bare metal with DIMENSION® LCF Etch Primer DE830.
3. If directly top coating over primer, final sand with P400-P600 grit sandpaper.
4. If top coating over a 2K barrier sealer, final sand with 600 grit or finer sandpaper.

*\*Note: check local regulations regarding the use of solvent cleaners. Read and follow all warnings and directions on cleaner label before use.*

**APPLICATION TECHNIQUES**

Apply 2-3 medium wet coats, or until hiding is achieved, with a 50% overlap allowing each coat to become handslick before the next coat. Apply at a gun distance of 6-8 inches. A cross-coat method (horizontal one coat, vertical the next) can be used for metallic colors to help achieve uniform metallic orientation. If further metallic orientation is needed, increase gun distance and /or increase air pressure during finesse coat application. Recommended dry film thickness is 2.0 - 2.5 mils.

**BUFFING**

If necessary, after 24 hours air dry, or 30 minute force dry, sand with 2000 grit sandpaper followed by cross-sanding with 3000 grit sandpaper, checking frequently to ensure that the scratches made with the 2000 grit sandpaper are being removed. Take care in sanding and polishing single-stage metallics. Aggressive sanding can distort metallic appearance. Sanding should be limited to de-nibbing imperfections. Buff by machine with polishing pad, using a quality microfinishing compound, and follow with a microfinishing glaze. For ultimate appearance, hand glaze with a soft clean cloth. Buffing is easiest when done within the first 48 hours following application.

**DRYING SCHEDULE**

<b>Air dry</b>	<b>Out of Dust</b>	50 minutes at 75° F
	<b>To Deliver</b>	Overnight
<b>Force Dry</b>	30 minutes at 120° F surface temperature	
<b>Buffing Times</b>	<b>Air Dry</b>	After 24 hours
	<b>Force Dry</b>	30 minutes after cool down

**REGULATORY DATA**

	As Packaged		As Applied	
	Lb/Gal	G/L	Lb/Gal	G/L
<b>Density</b>	7.83	938	7.76	929
	<b>% by Wt.</b>	<b>% by Vol.</b>	<b>% by Wt.</b>	<b>% by Vol.</b>
<b>Volatiles</b>	59.3	65.1	65.1	70.7
<b>Water</b>	0	0	0	0
<b>Exempt Compounds</b>	0	0	2.5	2.9
	<b>Lb/Gal</b>	<b>G/L</b>	<b>Lb/Gal</b>	<b>G/L</b>
<b>VOC Total</b>	4.64	556	4.86	582
<b>VOC Less Exempt</b>	4.64	556	5	599
	<b>Lb/Gal</b>	<b>KG/L</b>	<b>Lb/Gal</b>	<b>KG/L</b>
<b>HAPs</b>	3.48	0.417	2.69	0.322



**SHERWIN-WILLIAMS**  
*Automotive Finishes*

**DIMENSION®  
NATIONAL RULE  
ACRYLIC ENAMEL  
SINGLE STAGE  
5A INTERMIX PREFIX**

**LABEL CAUTION INFORMATION**

**DIMENSION® NATIONAL RULE ACRYLIC ENAMEL SINGLE STAGE INTERMIX COLOR – 5A**

DANGER! HARMFUL OR FATAL IF SWALLOWED. FLAMMABLE! HARMFUL IF INHALED - MAY CONTAIN LEAD. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. MAY BE ABSORBED THROUGH THE SKIN. MAY CAUSE BLOOD DAMAGE. DRIED FILM OF THIS PAINT MAY BE HARMFUL IF EATEN OR CHEWED. Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing, Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. May contain 2-Butoxyethanol which may cause blood damage. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

**FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**

**DIMENSION® DR730 SERIES REDUCERS DR732, DR733, DR734, DR735 and DR736**

DANGER! HARMFUL OR FATAL IF SWALLOWED. EXTREMELY FLAMMABLE - VAPORS MAY CAUSE FLASH FIRES! HARMFUL IF INHALED - MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. IRRITATES EYES, SKIN AND RESPIRATORY TRACT. Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights and heaters – Turn off stoves, electric tools and appliances, and any other sources of ignition. VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Do not induce vomiting. Call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

**FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**



**SHERWIN-WILLIAMS®**  
*Automotive Finishes*

**DIMENSION®  
NATIONAL RULE  
ACRYLIC ENAMEL  
SINGLE STAGE  
5A INTERMIX PREFIX**

**DIMENSION® HARDENERS DH654 and DH656**

DANGER! FLAMMABLE! VAPOR AND SPRAY MIST HARMFUL, OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION, EFFECTS MAY BE PERMANENT. CAUSES EYE IRRITATION. HARMFUL IF INHALED - MAY AFFECT THE BRAIN OR NERVOUS SYSTEM, CAUSING DIZZINESS, HEADACHE OR NAUSEA. Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. VAPOR AND SPRAY MIST HARMFUL. Gives off harmful vapor of solvents and isocyanates. DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE. Follow directions for respirator use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. If you have any breathing problems during use, LEAVE THE AREA and get fresh air. If problems remain or happen later, IMMEDIATELY call a doctor - If not available get emergency medical treatment. Have this label with you. IRRITATES SKIN AND EYES. Avoid contact with eyes and skin. In case of eye contact, flush immediately with plenty of water for 15 minutes and call a doctor - If not available get emergency medical treatment. In case of skin contact, wash thoroughly with soap and water. Clothes contaminated by a spill should be removed and laundered. Keep container closed when not in use. Reacts with water in closed container to produce pressure which may cause container to burst. Do not transfer contents to other containers for storage. FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing, Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

**FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**