



5042() WORLD CLASS™ UNIVERSAL CLEARCOAT 4.2 VOC 4:1

TECHNICAL DATA SHEET

Description

5042() WORLD CLASS™ UNIVERSAL CLEARCOAT is a 4.2 VOC compliant two-component clearcoat for automotive refinishing. It provides excellent gloss, DOI, and durability. **5042()** can be used in a variety of environments and with 3 activator speeds is suitable for spot, panel, and overall refinishing.

Features

- **4.2 VOC**
- **Excellent flow and leveling**
- **Exceptional gloss and DOI**
- **Chemical resistant**
- **Easy to buff**
- **Excellent UV protection**

Typical Properties

Container:	50421 Gallon
	50424 Quart
RTS viscosity:	17 – 18 sec #2 Zahn
RTS weight solids:	34.1%
RTS volume solids:	29.3%
RTS VOC:	Max 4.2 lb/gl (504 g/l)
Pot life @ 70°F (21°C) and 50% RH:	1 Hour
Fluid tip size	1.2mm – 1.4mm
Inlet air pressure	22 – 30 psi
Coverage at 2+ mils:	235 sq.ft./gl
Mil build per coat	1.1 – 1.4
Dust Time:	10 - 30 minutes
Air dry time to buff:	4 - 8 hours

Handling and Application

SUBSTRATES: **WORLD CLASS™ PRIMERS**, all automotive basecoat paint systems, fully cured refinish materials, and properly prepped OEM finishes.

PREPARATION: After sanding primer, scuff any blend areas with **3833() SCUFF & CLEAN** according to directions. Clean surface with **3837() SEM SOLVE** or **4040() ZERO VOC SURFACE CLEANER**. Apply basecoat per instructions and allow to fully flash dry.



MIXING: Shake or stir thoroughly. Mix by volume:



4 : **1**
5042() : **504() 4.2 VOC Activator**

Activators:

- 5045() Fast** – small parts, 1-2 panels. Larger jobs from 60°F (16°C)
- 5046() Medium** – 2-3 panels. Larger jobs from 70°F (21°C)
- 5047() Slow** – 3-5 panels. Larger jobs from 80°F (26°C)

APPLICATION:



1. Set air pressure to 8-10 psi at the cap for HVLP equipment.
2. Use a spray gun equipped with a 1.2-1.4 fluid nozzle.
3. Spray two full coats, allowing 5-10 minutes between coats.
Allow 10 minute flash after last coat prior to force drying.

DRY TIMES:

Note: dry and cure times are dependent on several factors including temperature, air-flow, film build, activator selection, and humidity.

	Air Dry	Force Dry 30 min @140°F (60°C)
To handle	3-8 hours	After cool down
To buff	4-8 hours	After cool down
To sand & recoat (if needed)	8-12 hours	After cool down
To deliver	8-24 hours	After cool down

CLEANUP:



Use **77743 XXX GUN CLEANER** or appropriate cleaning materials compliant with VOC regulations in your area.

STORAGE:



5042() WORLD CLASS™ UNIVERSAL CLEARCOAT 4.2 VOC should be stored in a cool dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **5042()** is 5 years when stored under normal conditions. The shelf life for **504() ()** activators is 1 year.

TECHNICAL CONSULTATION SERVICE

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Material Safety Data Sheet (MSDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the MSDS and product label are available upon request.

SEM Products, Inc.
1685 Overview Dr. Rock Hill SC 29730
Tel: 800-831-1122
www.semproducts.com