

South Coast AQMD

Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Rule 1151

| In Effect: 11/1/2024; Phase 1 05/01/2025



| Coating Category | lbs/U.S. gal (g/L) Limit: VOC Regulatory (Less Water Less Exempts). |
|--|---|
| Solvent (Surface Cleaner)* | 0.21 (25) |
| Pretreatment Coating | 6.5 (780) |
| Primer / Primer Surfacer/ Epoxy Primer | 4.8 (580) |
| Primer Sealer | 4.6 (550) |
| Single Stage Coating | 5.0 (600) |
| Color Coating | 3.5 (420) |
| Tinted Mid-Coat | 6.3 (750) |
| Underbody Coating | 3.6 (430) |
| Clear Coating | 4.3 (520) |
| Matte Clear Coating | 4.6 (550) |
| Uniform Finish Coating | 4.5 (540) |
| Adhesion Promoter | 7.0 (540) |

| Product Code & Name | Hardener/Activator | Reducer | Mix Ratio | VOC Content |
|--|--------------------|---------|-----------|------------------------------|
| Solvent (Surface Cleaner) | | | | Limit: 0.21 lbs/gal (25 g/L) |
| SWX350 H ₂ O-SO-CLEAN® Wax & Grease Remover | - | - | - | 0.19 (23) |
| SXA103 MULTI-PREP® | - | - | Aerosol | 5.88 (705) |
| SXA330 Wax and Grease Remover | - | - | Aerosol | 5.78 (693) |
| CFX435LV—Low VOC Cleaner | | Water | 1 : 1 | 0.20 (25) |

| Product Code & Name | Hardener/Activator | Reducer | Additives | Mix Ratio | Applied VOC Less Water Less Exempt |
|---|--------------------|---------------------|---------------------|--|---------------------------------------|
| Pre-Treatment Coatings | | | | | |
| Limit: 6.5 lbs/gal (780 g/L) | | | | | |
| SXA1031 Etch Primer - Gray | - | - | - | Aerosol | 5.34 |
| Primer / Primer Surfacer / Epoxy Primer | | | | | |
| Limit 4.8 lbs/gal (580 g/L) | | | | | |
| ESU410 2.1/2.8 Polyurethane Primer | ESU419 | - | ESX590 | 5:1+6 oz/RTS gal | 1.99 (2.38) |
| ESU460/461/462 4.6 VOC Epoxy Primers | ESU469 | - | - | 2:1 | 4.54 (544) |
| ESU470 2.1 VOC Wet on Wet Epoxy Primer—Gray | ESU479 | ESR300 or ESR310 | - | 2:1:1 or 2:1:2 (reducer is last) | 2.07 (248) |
| ESU480/481/482 2.1 VOC Epoxy Primer | ESU489 | - | - | 4:1 | 2.09 (250) |
| F3970 Ultra High Solids Primer—Gray | F3971 | F3385, F3390, F3395 | F3400 or F3405 | 3:1+6 oz/RTS gal + 10% optional reducer | 2.07 (248) |
| F3975 Fast Dry Surfacer | F3270 | - | - | 3:1 | 4.29 (514) |
| F3993/95/97 Conventional Epoxy Primers | F3996 | F33XX | - | 3:1:1/2 | 4.6 (550) |
| F3998 2.1 VOC Primer Surfacer | F3999 | - | - | 2:1 | 1.99 (238) |
| F4921/BK/WH 2.1 VOC Epoxy Primer | F4922 | F3385, F3390, F3395 | - | 3:1:1 | 2.05 (246) |
| F4932 2.1 VOC Fast Dry Urethane Surfacer | F4933 | F3385, F3390, F3395 | - | 4:1:1 | 2.08 (249) |
| F4935/36/37 High Solids Epoxy Primers | F4938 | - | - | 1:1 | 2.08 (249) |
| F3985/86 Pigmented Sealers | F3260 | F33XX | F3400, F3405, F3410 | 3:1+6 oz/RTS gal + 1/2 optional reducer | 3.22 (386) |
| F4943/BK 2.1 VOC Fast Dry Sealers | F4933 | F3385, F3390, F3395 | - | 3:1:1 | 1.92 (230) |
| Red font indicates oxsol containing products for use through appropriate sell through periods | | | | | |

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| Product Code & Name | Hardener/Activator | Reducer | Additives | Mix Ratio | Applied VOC Less Water Less Exempt |
|---|---|--------------------------------|---|--|---------------------------------------|
| Single Stage Coating | | | | | Limit: 5.0 lbs/gal (600 g/L) |
| ESSS Single Stage Polyurethane Enamel | ESH200 | - | ESX5XX | 6:1:1 | 2.80 (3.35) |
| FDG 5.0 VOC Single Stage Polyurethane Enamel (** Various Reducers available some may contain Oxsol or be higher in VOC) | F3270 | F33XX** | F3400, F3405, F3410 | 2:1:1/2 + 2 oz/RTS gallon (optional) | 5.00 (600) |
| FDGH Single Stage High Solids Polyurethane Enamel (** Various Reducers available some may contain Oxsol or be higher in VOC) | F3260 | F33XX** | F3400, F3405, F3410 | 3:1:6 oz/RTS gallon + 10% reducer | 3.42 (410) |
| FDGU Single Stage Ultra High Solids Polyurethane Enamel | F3260 | F3385, F3390, F3395 | F3400, F3405, F3410 | 3:1:6 oz/RTS gallon + 10% reducer | 2.82 (338) |
| FDSH High Solids Polyurethane Single Stage (** Various Reducers available some may contain Oxsol or be higher in VOC) | F3260 | F33XX (optional) | F3400, F3405, F3410 | 3:1:6 oz/RTS gallon + 10% reducer (optional) | 3.42 (410) |
| FDSU Ultra High Solids Polyurethane Single Stage | F3260 | F3385, F3390, F3395 (optional) | F3400, F3405, F3410 | 3:1:6 oz/RTS gallon + 10% reducer (optional) | 2.82 (338) |
| Basecoat for Multi Stage Topcoat System | | | | | Limit: 3.5 lbs/gal (420 g/L) |
| **Changes 11/1/2025 - Oxsol containing Color | | | | | |
| ESSS Basecoat | ESH210 | - | ESB800 | 2:1:1 | 3.04 (364) |
| FBCH High Solids Polyurethane Basecoat | F3240, F3259, F3260 | - | F3440, F3441, F3442 | 3:1:1 | 3.49 (419) |
| FBCS High Solids Polyurethane Basecoat—Fast | F3260 | F33XX** | - | 3:1 + 10% | 3.41 (408) |
| Clear Coating | | | | | Limit: 4.3 lbs/gal (520 g/L) |
| ESC621 2.1 VOC Urethane Clearcoat | ESH200 | ESR300, ESR310, ESX711, ESX721 | - | 4:1:2 4:1:1 | 2.04 (245) |
| ESC600 Urethane Clear | ESH200 | - | ESX5X0 | 6:1:1 | 4.07 (488) |
| F3906 High Build Polyurethane Clear | F3240, F3260 | F33XX | F3400, F3405, F3410 | 3:1:1/2 +2 oz / | 3.40 (405) |
| F3921 2.1 VOC Clearcoat | F3210, F3211 | F3385, F3390, F3395 | | 3:1:1/2 | 2.05 (246) |
| F3930 Conventional Clear | F3260 | F33XX | F3400, F3405, F3410 | 3:1:1+ optional 2 oz/RTS Gallon | 4.12 (494) |
| Additional Products (listing not intended to be all inclusive) | | | | | |
| FDGU500 FDGU Blending Clear | SU4901 Clean and Scuff Sponge | | SLV73 Fisheye Eliminator | | |
| FDGH500 FDGH Blending Clear | SUA4903 Advanced Plastic Bond (Aerosol) | | SXA840 Uniform Finish Blender (Aerosol) | | |
| Red font indicates oxsol containing products for use through appropriate sell through periods | | | | | |

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Table 1- Table of Standards
Regulatory VOC Content Limits and Effective Dates for Automotive Coatings

| Coating Categories | Current Limits ⁽¹⁾ | | Phase I Limits Effective November 1, 2024 | | Phase II Limits | | |
|------------------------------|-------------------------------|--------|---|--------|-----------------|--------|----------------|
| | g/L | lb/gal | g/L | lb/gal | g/L | lb/gal | Effective Date |
| Base Coatings | | | | | | | |
| Color Coating ⁽²⁾ | 420 | 3.5 | | | 250 | 2.1 | 1/1/2030 |
| Tinted Mid-Coat | 420 | 3.5 | 750 | 6.3 | 250 | 2.1 | 1/1/2030 |
| Clear Coatings | | | | | | | |
| Gloss Clear Coating | 250 | 2.1 | 520 | 4.3 | 250 | 2.1 | 1/1/2030 |
| Matte Clear Coating | 250 | 2.1 | 550 | 4.6 | | | |
| Primers and Sealers | | | | | | | |
| Pretreatment Wash Primer | 660 | 5.5 | 780 | 6.5 | 660 | 5.5 | 1/1/2028 |
| Epoxy Primer | 250 | 2.1 | 580 | 4.8 | 340 | 2.8 | 1/1/2028 |
| Primer Sealer | 250 | 2.1 | 550 | 4.6 | 250 | 2.1 | 1/1/2029 |
| Primer Surfacer | 250 | 2.1 | 580 | 4.8 | 250 | 2.1 | 1/1/2029 |
| Other Coating Categories | | | | | | | |
| Adhesion Promoter | 540 | 4.5 | 840 | 7.0 | 720 | 6.0 | 1/1/2028 |
| Single-Stage Coating | 340 | 2.8 | 600 | 5.0 | 340 | 2.8 | 1/1/2028 |
| Temporary Protective Coating | 60 | 0.5 | | | | | |
| Truck Bed Liner Coating | 310 | 2.6 | | | | | |
| Underbody Coating | 430 | 3.6 | | | | | |
| Uniform Finishing Coating | 540 | 4.5 | | | | | |
| Any Other Coating Type | 250 | 2.1 | | | | | |

1 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

2 See Paragraph (d)(4) for Color Coatings supplied in half-pint or smaller containers.

Table 4: pCBtF and t-BAc Prohibition Timeline

| Category | Prohibition Effective Date | Sell-through End Date | Use-through End Date |
|------------------------------|----------------------------|-----------------------|----------------------|
| Color Coatings | November 1, 2025 | November 1, 2026 | January 1, 2028 |
| All Other Coating Categories | May 1, 2025 | May 1, 2026 | July 1, 2027 |