# Specification Guide

AXALTA

**BLEND SUPPLY** 

# **Construction Equipment**



# **Table of Contents**

Page

Introduction	
<ul> <li>Identifying painting requirements</li> </ul>	З
<ul> <li>How do I use this Specification Guide</li> </ul>	З
<ul> <li>Contacting my local Axalta Coating Systems Representative</li> </ul>	3
Paint Selection	
<ul> <li>Identifying the correct paint system</li> </ul>	4
<ul> <li>Table I - Recommended paint specifications for Construction Equipment (Equipment that is in fair/poor condition and/ or will be Abrasive Blast Cleaned)</li> </ul>	5
<ul> <li>Table II - Recommended paint specifications for Construction Equipment (Equipment that is in good condition that will be Hand and Power Tool Cleaned)</li> </ul>	6
<ul> <li>Table III - Recommended paint specifications for Construction Equipment (Painted Substrate in good condition- no rust on surface)</li> </ul>	7
<ul> <li>Table IV - Primers/Direct-To-Metal Product Descriptions</li> </ul>	8-9
<ul> <li>Table V - Topcoats Product Descriptions</li> </ul>	10-11
Painting Guidelines	
<ul> <li>Surface preparation description by substrate</li> </ul>	12
<ul> <li>Paint Application</li> </ul>	13-14
Color	
<ul> <li>Color code paint schemes</li> </ul>	15-16

# Introduction

We have prepared this specification guide for Construction Equipment based on our analysis of your equipment maintenance painting needs. In studying your industry, we have found that you would prefer a simplified approach to painting. An approach that would keep your Construction Equipment in good condition, easy to clean and maintain, simplify your paint selection, minimize painting problems, and above all, give you the greatest value for your painting dollars.

Axalta's approach also addresses your health, safety, and environmental permitting needs. In addition to the systems mentioned in this guide, custom designed systems that meet and/or exceed your local air regulatory agency requirements are also available. Detailed information may be obtained by contacting your authorized Axalta Coating Systems Distributor for evaluation. Your authorized Axalta Coating Systems Distributor stands ready to work with you in handling all your paint and painting needs. If, however, you prefer to manage your own maintenance program, this may be achieved by following the information given in this guide.

The topics covered in this specification guide include selecting the right paint for each job, preparing surfaces for painting, simplified painting techniques and helpful ways to use color.

Copies of product literature for all the products specified in this guide are available from our web site, www.industrialcoatings.dupont.com. That information, plus information given in Section II (Paint Selection), will help you in ordering the right products for your painting.

To use these specifications, simply refer to the appropriate Section. All information normally required for equipment maintenance painting can be found there. Should you need further information, please contact your authorized Axalta Coating Systems Distributor, who is ready to assist you in all phases of your painting. The authorized Axalta Coating Systems Distributor in your area can be found on our website, <u>axalta.us</u> or by calling toll-free:

## 1 855 6 AXALTA

\*\*NOTE: The information contained in this guide supersedes any prior product recommendations.\*\*

## Paint Selection - The "Paint System" Approach

A basic feature of the simplified approach to painting Axalta has developed for construction equipment is the use of "paint systems" designed for specific equipment and substrates.

By a "paint system" we mean the proper combination of (1) surface preparation, (2) paint products and (3) application for a given surface. Each of the three elements plays an important role in the final and most economical performance of paints and finishes for your construction equipment.

We have selected the proper combination for each type of application you are likely to encounter. The paint systems for equipment in <u>fair/poor condition</u> and/or will be abrasive blast cleaned are listed in Table I. Paint systems for equipment in <u>good condition</u> that will be hand and power tool cleaned are listed in Table II. Paint systems for equipment in <u>good condition</u> and power tool cleaned are listed in Table II.

After you have selected the appropriate system for the equipment you want to paint, you can find details on the paint necessary for each system by referring to Table IV & V -<u>Product Descriptions</u>. These tables provide a brief description of each of the products specified in Tables I – III, as well as application information and dry times. These tables allow you to easily determine the recommended system for each item to be painted. Or your Axalta Representative will be happy to work with you on painting specifications tailored to your specific requirements.

For additional product information, you may also wish to consult the Axalta Coating Systems product data sheets for each of the products referred to in this guide. Product data sheets and Material Safety Data Sheets may be obtained through our website at <u>axalta.us</u>.

#### TABLE I PAINT SYSTEMS CONSTRUCTION EQUIPMENT

Construction Equipment in poor condition that will be abrasive blast cleaned by Commercial Blast Cleaning (SSPC-SP6) removing all previous coatings and rust. Coating Systems below provide long-term performance.

Construction Equipment To Be Painted	Surface	Rating	Coating Systems Products (DFT)	Comments
All Heavy Equipment: Front End Loaders, Back Hoes, Lifts, Bottom Dumps, Lift Dumps, Plows, Drills, Rollers,	Fair to poor condition to be repainted. Surface preparation: SSPC-6 Commercial	Good	Primer: Imron <sup>®</sup> 1.5 ST-D <sup>™</sup> (4-5) Topcoat: Imron <sup>®</sup> 1.2 HG <sup>™</sup> (2-3)	Waterborne, Polyurethane, Copolymer Primer Waterborne, Polyurethane, Copolymer, Gloss Topcoat
Power Drivers, Graders, Rakes, Cranes, Dozers, Crushers	blast cleaned.	Better	<b>DTM:</b> Imron <sup>®</sup> 2.1 HG-D <sup>™</sup> + (4-5)	<b>New</b> High Gloss Polyurethane Direct to Metal (DTM)
		Best	Primer: Corlar <sup>®</sup> 2.1 PR-P <sup>™</sup> (3-4) Topcoat: Imron <sup>®</sup> Industrial Strength (2-3) or Imron <sup>®</sup> Industrial Strength Reduced Gloss Topcoat (2-3) or Imron <sup>®</sup> 2.1 HG <sup>™</sup> + (1.5-2) or Imron <sup>®</sup> 3.5 HG <sup>™</sup> + (2-3)	High Productive Epoxy Primer Ultra Low VOC (0.3) High Gloss Polyurethane Enamel Topcoat Ultra Low VOC (0.3) Reduced Gloss Polyurethane Enamel Topcoat <b>New</b> High Gloss Polyurethane Topcoat <b>New</b> High Gloss Polyurethane Topcoat

#### TABLE II PAINT SYSTEMS CONSTRUCTION EQUIPMENT

Construction Equipment in good condition that will be Hand and Power Tool Cleaned (SSPC-SP 2/3) prior to painting. Removing all loose paint and rust scale (may contain tight adhering rust stain). Will not have the long-term performance of system on Table I.

Construction Equipment To Be Painted	Surface	Rating	Coating Systems Products (DFT)	Comments
All Heavy Equipment: Front End Loaders, Back Hoes, Lifts, Bottom Dumps, Lift Dumps, Plows, Drills, Rollers,	Carbon steel surfaces that will be cleaned to SSPC-SP 2/3 hand and power tool cleaned.	Good	<b>Primer:</b> Tufcote <sup>®</sup> 2.5 PR <sup>™</sup> (2-3) or Tufcote <sup>®</sup> 3.3 PR <sup>™</sup> (2-3) <b>Topcoat:</b> Tufcote <sup>®</sup> 3.5 HG-D <sup>™</sup> (3-5)	High Solids Alkyd Primer High Solids Alkyd Primer Gloss Alkyd Enamel Topcoat
Power Drivers, Graders, Rakes, Cranes, Dozers, Crushers	<b>Note:</b> Some sacrifice in performance is expected when applying coatings over hand cleaned surface	Better	Primer: Tufcote <sup>®</sup> 3.3 PR <sup>™</sup> (3-4)         or       Imron <sup>®</sup> Industrial Strength         Low VOC Polyurethane         Primer (3-5)         Topcoat:         Imron <sup>®</sup> 2.1 HG <sup>™</sup> + (1.5-2) or         Imron <sup>®</sup> 3.5 HG <sup>™</sup> + (2-3)	High Solids Alkyd Primer High Solids Low VOC Polyurethane Primer <b>New</b> High Gloss Polyurethane Topcoat <b>New</b> High Gloss Polyurethane Topcoat
		Best	Primer: Corlar <sup>®</sup> 2.1 PR-P <sup>TM</sup> (3-4) Topcoat: Imron <sup>®</sup> Industrial Strength (2-3) or Imron <sup>®</sup> Industrial Strength Reduced Gloss Topcoat (2-3) or Imron <sup>®</sup> 2.1 HG <sup>TM</sup> + (1.5-2) or Imron <sup>®</sup> 3.5 HG <sup>TM</sup> + (2-3)	High Productive Epoxy Primer Ultra Low VOC (0.3) High Gloss Polyurethane Topcoat Ultra Low VOC (0.3) Reduced Gloss Polyurethane Enamel Topcoat <b>New</b> High Gloss Polyurethane Topcoat <b>New</b> High Gloss Polyurethane Topcoat

#### TABLE III PAINT SYSTEMS CONSTRUCTION EQUIPMENT

Construction Equipment with painted substrate in good condition having no rust on the substrate. Equipment that will be rented, sold at auction or requiring a color change.

Construction Equipment To Be Painted	Surface	Rating	Coating Systems Products (DFT)	Comments
All Heavy Equipment: Front End Loaders, Back Hoes, Lifts, Bottom Dumps, Lift Dumps, Plows, Drills, Rollers,	Previously painted surface in good condition. Surface preparation is a solvent wipe	Good	<b>Topcoat:</b> Tufcote <sup>®</sup> 3.5 HG-D™ (3-4)	High gloss alkyd enamel topcoat
Power-Drivers, Graders, Rakes, Cranes, Dozers, Crushers	and/or detergent clean to SSPC- SP1 to remove all greases and oils prior to painting. Surfaces should be scuff sanded.	Better	<b>Topcoat:</b> Imron <sup>®</sup> 1.2 HG <sup>™</sup> (2-3) If primer required for areas not highly adhesive or thin film build, use Imron <sup>®</sup> 1.5 PR <sup>™</sup>	High gloss waterborne polyurethane topcoat Waterborne, Polyurethane, Copolymer Primer
	Sanueu.	Best	<b>Topcoat:</b> Imron <sup>®</sup> Industrial Strength (2-3) or Imron <sup>®</sup> Industrial Strength Reduced Gloss Topcoat (2-3) or	Ultra Low VOC (0.3) High Gloss Polyurethane Topcoat Ultra Low VOC (0.3) Reduced Gloss Polyurethane Enamel Topcoat
			Imron <sup>®</sup> 2.1 HG <sup>™</sup> + (1.5-2) or Imron <sup>®</sup> 3.5 HG <sup>™</sup> + (2-3) If a primer is needed, use Corlar <sup>®</sup> 2.1 PR-P <sup>™</sup> (3-4)	New High gloss polyurethane topcoat New High gloss polyurethane topcoat High Productive Epoxy Primer

#### TABLE IV PRODUCT DESCRIPTIONS PRIMERS & DIRECT TO METALS

Product	Description	Components	Mix ratio	Application	Dry Times @ 77°F & 50% RH
Imron® Industrial Strength Low VOC Polyurethane Primer	Next generation Imron <sup>®</sup> Industrial Strength Low VOC Polyurethane Primer is a durable, fast dry, high solids, two- package, VOC conforming, 0.8 lbs/ gallon primer which can be brushed, rolled or sprayed.	Imron 9TXX 9T00-A <sup>™</sup> Activator See PDS for application thinner details.	8 Parts 9PXX Color 1 Part 9TOO-A <sup>™</sup> Activator See PDS for application thinner details.	Brush, roll or spray 6-10 mils wet 3-5 mils dry	@ <b>75°F &amp; 50% RH</b> Dust Free 15 Mins. Dry to handle 1 hr 15 Mins. Dry to Recoat 45 Mins.
Imron <sup>®</sup> 1.5 ST-D™	A high performance, low VOC, Zero HAPS, fast drying waterborne polyurethane copolymer. Designed for use under Imron® 1.2 HG <sup>™</sup> topcoat.	Fac-Pac Colors: 1632 WF White 1633 WF Shale Gray 1637 WF Cirrus Gray 1640 WF Black 711 WF Red Oxide	Single component. Ready to Spray	Apply by spray for Maximum Appearance. Film Build: 8-12 mils wet 3-5 mils dry	Dry to touch 20-30 minutes Dry to handle 1 hour Dry to recoat 30 minutes Hard Dry 2 hours
Imron® 2.1 HG-D™ + High Gloss DTM	Newest Imron <sup>®</sup> technology DTM high gloss, high build, two- package, low HAPS, acrylic polyurethane.	Imron® 2.1 HG-D™ + 9T00-A™ Activator	6 Parts Imron <sup>®</sup> 2.1 HG-D™ <b>+</b> 1 Part 9T00-A™ Activator	Brush, roll or spray 10 mils wet 5 mils dry	Dry to touch Dry to handle Dry to Recoat
<b>Corlar<sup>®</sup> 2.1 ST™</b> Satin, High Gloss Epoxy Mastic.	High solid, Iow VOC (2.1 Ibs. /gal), polyamide epoxy mastic primer.	Fac-Pac colors; LF-63225P White LF-63325P Shale Gray LF-Cirrus Gray LF-71125P Red Oxide LF-64025P Black VF-525 activator	1 Part Base 1 Part Activator Reduce 5-15% for spray application.	Spray for best appearance. Primer: 3-8 mils dry.	Dry to touch 2-3 hours Dry to handle 4 hours Dry to recoat 3 hours

## TABLE IV PRODUCT DESCRIPTIONS PRIMERS & DIRECT TO METALS (continued)

Product	Description	Components	Mix ratio	Application	Dry Times @ 77°F & 50% RH
Corlar <sup>®</sup> 2.1 PR-P™	High solids, two components, low VOC (2.1 lbs. /gal.), low HAPS, productive epoxy primer, based on Axalta modified polyamide epoxy technology.	Fac-Pac Colors: 525-880 Red Oxide 525-882 Buff 525-885 ANSI 61 Grey 525-886 Black 525-971 ANSI 70 Grey	2 Parts Corlar <sup>®</sup> 2.1 PR-P <sup>™</sup> Base 1 Part FG- 040 Activator * Reduction Optional 5% by volume. T-1021 below 80°F T-1025 above 80°F	Apply by spray for Maximum Appearance. Film Build: 6 mils wet 3 mils dry	Dust free 30 minutes Dry to touch 1 hour Dry to recoat 45 minutes Hard Dry 2 hours
Tufcote <sup>®</sup> 2.5 PR™	High solids, single component, low VOC (2.5 lbs. /gal), modified alkyd primer.	Fac-Pac Colors: 681-20704 Red Oxide 681-21072 Med. Gray	Ready to Spray	Apply by spray for Maximum Appearance. Film Build: 4 mils wet 2 mils dry	Dry to touch 30 minutes Dry to handle 1 hour Dry to recoat 30 minutes
Tufcote <sup>®</sup> 3.3 PR™	High solids, fast dry, single component, phenolic-modified alkyd primer.	Fac-Pac Colors: 681-700 White 681-704 Red Oxide 681-705 Buff 681-709 Gray	Ready to Spray	Apply by spray for Maximum Appearance. Film Build: 4 mils wet 2 mils dry	Dry to touch 30 minutes Dry to recoat 30 minutes Dry to handle 1 hour
Tufcote <sup>®</sup> 3.5 HG-D™	High gloss, fast dry, acrylic-modified alkyd enamel topcoat.	Single component.	Ready to Spray	Apply by spray for Maximum Appearance. Film Build: 4 mils wet 2 mils dry	Dry to touch 20 minutes Dry to handle 1 hour Recoat 30 minutes

#### SPECIFICATION GUIDE CONSTRUCTION EQUIPMENT TABLE V PRODUCT DESCRIPTIONS TOPCOATS

Description	Components	Mix Ratio	Application	Dry Times @ 77°F & 50% RH
Next generation polyurethane with <b>High Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding gloss & color retention.	Imron 9TXX 9T00-A <sup>™</sup> Activator See PDS for application thinner details.	4 Parts 9TXX Color 1 Part 9T00-A <sup>™</sup> Activator See PDS for application thinner details.	Brush, roll or spray 3-5 mils wet 2-3 mils dry	Dry to touch 1 hr. Dry to handle 2 hr. Dry to Recoat 2 hr.
Next generation polyurethane <b>Reduced</b> <b>Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding color retention.	Imron 9TXX 9T00-A <sup>™</sup> Activator See PDS for application thinner details.	8 Parts 9TXX Color 1 Part 9T00-A <sup>™</sup> Activator See PDS for application thinner details.	Brush, roll or spray 3-5 mils wet 2-3 mils dry	Dry to touch 1 hr. Dry to handle 2 hr. Dry to Recoat 2 hr.
A high performance, low VOC (1.2lbs. /gal.), zero HAPS, fast dry, waterborne polyurethane copolymer topcoat.	Single component	Ready to Spray	Apply by spray for Maximum Appearance. Film Build: 5-7 mils wet 2-3 mils dry	Dry to touch: 20-30 minutes Dry to handle: 1 hour Dry to recoat: 30 minutes Hard Dry : 2 hours
New Imron <sup>®</sup> technology delivering a high solids, <b>high gloss</b> two-package, 2.1 Ibs/gal VOC, extremely durable finish with outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding gloss & color retention.	Imron <sup>®</sup> 2.1 HG <sup>TM</sup> + Color 9T00-A <sup>TM</sup> Activator Application thinners: Below 85°F: Y-32401 <sup>TM</sup> (0-2%) and/or 9M01 <sup>TM</sup> (up to 8% total) Above 85°F: 9M02 <sup>TM*</sup> (up to 5%) and 9M01 <sup>TM</sup> (up to 5%) 10% max total *Y-32401 <sup>TM</sup> (0-2% max) can be used in place of 9M02 <sup>TM</sup> Brush & Roll Additive: 9M05 <sup>TM</sup>	3 Parts Color 1 Part Activator 0 to 10% Reducer. Roll Additive 1 oz. 9M05 <sup>™</sup> per Ready to Spray Gallon	Apply by spray for Maximum Appearance. Brush & roll optional. Film Build: 2 - 3 mils wet 1.5 - 2.0 mils dry	Dry to touch: 3 hours Dry to handle: 7 hours Dry to recoat: 5 hours May be accelerated with VG-805 <sup>™</sup> *See product data sheet.
	Next generation polyurethane with <b>High Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding gloss & color retention. Next generation polyurethane <b>Reduced</b> <b>Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding color retention. A high performance, low VOC (1.2lbs. /gal.), zero HAPS, fast dry, waterborne polyurethane copolymer topcoat. New Imron <sup>®</sup> technology delivering a high solids, <b>high gloss</b> two-package, 2.1 lbs/gal VOC, extremely durable finish with outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding	Next generation polyurethane with <b>High Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding gloss & color retention.Imron 9TXX 9T00-ATM ActivatorNext generation polyurethane <b>Reduced</b> <b>Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding color retention.Imron 9TXX 9T00-ATM ActivatorNext generation polyurethane <b>Reduced</b> <b>Gloss</b> , 0.3 VOC, improved adhesion & productivity with outstanding color retention.Imron 9TXX 9T00-ATM ActivatorA high performance, low VOC (1.2lbs. /gal.), zero HAPS, fast dry, waterborne polyurethane copolymer topcoat.Single componentNew Imron® technology delivering a high solids, <b>high gloss</b> two-package, 2.1 lbs/gal VOC, extremely durable finish with outstanding chemical resistance & flexibility as well as outstanding gloss & color retention.Imron® 2.1 HGTM + Color 9T00-ATM ActivatorNew Imron® technology delivering a high solids, high gloss two-package, 2.1 lbs/gal VOC, extremely durable finish with outstanding chemical resistance & flexibility as well as outstanding gloss & color retention.Imron ® 2.1 HGTM + Color 9T00-ATM ActivatorAbove 85°F: 9M02TTM* (up to 5%) and 9M01TTM (up to 5%) an be used in place of 9M02TTM10% max total *Y-32401TTM (0-2% max) can be used in place of 9M02TTM	Next generation polyurethane with High Gloss, 0.3 VOC, improved adhesion & productivity with outstanding gloss & color retention.Imron 9TXX 9T00-A <sup>TM</sup> Activator4 Parts 9TXX Color 1 Part 9T00-A <sup>TM</sup> ActivatorNext generation polyurethane <b>Reduced</b> Gloss, 0.3 VOC, improved adhesion & productivity with outstanding color retention.Imron 9TXX 9T00-A <sup>TM</sup> Activator8 Parts 9TXX Color 1 Part 9T00-A <sup>TM</sup> ActivatorNext generation polyurethane <b>Reduced</b> Gloss, 0.3 VOC, improved adhesion & productivity with outstanding color retention.Imron 9TXX 9T00-A <sup>TM</sup> Activator8 Parts 9TXX Color 1 Part 9T00-A <sup>TM</sup> ActivatorA high performance, low VOC (1.2lbs. /gal.), zero HAPS, fast dry, waterborne polyurethane copolymer topcoat.Single componentReady to SprayNew Imron® technology delivering a high solids, high gloss two-package, 2.1 lbs/gal VOC, extremely durable finish with outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding gloss & color retention.Imron® 2.1 HG <sup>TM</sup> + Color 9T00-A <sup>TM</sup> Activator3 Parts Color 1 Part ActivatorNew Imron® technology delivering a high solids, high gloss two-package, 2.1 lbs/gal VOC, extremely durable finish with outstanding chemical resistance & flexibility as well as outstanding gloss & color retention.Imron 9TXX 9MOT <sup>TM</sup> (up to 5%) and 9MOT <sup>TM</sup> (D-2% max) can be used in place of 9MOZ <sup>TM</sup> Brush & Roll Additive:	Next generation polyurethane with High Gloss, 0.3 VOC, improved adhesion & productivity with outstanding gloss & color retention.Imron 9TXX 9T00-A <sup>TM</sup> Activator4 Parts 9TXX Color 1 Part 9TXX Color 

#### TABLE V PRODUCT DESCRIPTIONS TOPCOATS (continued)

Imron <sup>®</sup> 2.1 + Reduced Gloss Polyurethane	New Imron <sup>®</sup> technology delivering a high solids, <b>reduced</b> <b>gloss</b> two-package 2.1 Ibs/gal VOC, extremely durable finish with outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding gloss & color retention. Available in variable gloss levels: semi gloss, satin and flat.	Imron <sup>®</sup> 2.1 + Color 9T00-A <sup>™</sup> Activator 9T20 <sup>™</sup> Flattener Application thinners: Below 85°F: Y-32401 <sup>™</sup> (0-2%) and/or 9M01 <sup>™</sup> (up to 8% total) Above 85°F: 9M02 <sup>™</sup> * (up to 5%) and 9M01 <sup>™</sup> (up to 5%) 10% max total *Y-32401 <sup>™</sup> (0-2% max) can be used in place of 9M02 <sup>™</sup> Brush & Roll Additive: 9M05 <sup>™</sup>	6 Parts Color 1 Part Activator 0 to 10% Reducer. Roll Additive 1 oz. 9M05™ per Ready to Spray Gallon	Apply by spray for Maximum Appearance. Brush & roll optional. Film Build: 2 - 3 mils wet 1.5 - 2.0 mils dry	Dry to touch: 3 hours Dry to handle: 7 hours Dry to recoat: 5 hours May be accelerated with VG-805 <sup>TM</sup> *See product data sheet.
Imron® 3.5 HG™ + High Gloss Polyurethane	New Imron <sup>®</sup> technology delivering a high solids two- package, <b>high gloss</b> , 3.5 lbs/gal VOC with low HAPS polyurethane enamel. An extremely durable finish delivers outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding gloss & color retention.	Imron <sup>®</sup> 3.5 HG <sup>™</sup> + Color 9T00-A <sup>™</sup> Activator Application thinners: Below 85°F: Y-32401 <sup>™</sup> (0-2%) and/or 9M01 <sup>™</sup> (up to 5% total) Above 85°F: Y-32401 <sup>™</sup> (0-2%) or 9M02 <sup>™</sup> (up to 5% total) Brush & Roll Additive: 9M05 <sup>™</sup>	4 Parts Color 1 Part Activator 0 to 5% Reducer Roll Additive 1 oz. 9M05 <sup>™</sup> per Ready to Spray Gallon	Apply by spray for Maximum Appearance. Brush & roll optional. Film Build: 3 - 5 mils wet 2 - 3 mils dry	Dry to touch: 3 hours Dry to handle: 7 hours Dry to recoat: 5 hours May be accelerated with VG-805. *See product data sheet.
Imron <sup>®</sup> 3.5 + Reduced Gloss Polyurethane Available in variable gloss levels: semi gloss, satin and flat.	New Imron <sup>®</sup> technology delivering a high solids two- package, <b>reduced</b> <b>gloss</b> , 3.5 lbs/gal VOC with low HAPS polyurethane enamel. An extremely durable finish delivers outstanding chemical resistance, abrasion resistance & flexibility as well as outstanding gloss & color retention.	Imron <sup>®</sup> 3.5 + Color 9T00-A <sup>™</sup> Activator 9T20 <sup>™</sup> Flattener Application thinners: Below 85°F: Y-32401 <sup>™</sup> (0-2%) and/or 9M01 <sup>™</sup> (up to 5% total) Above 85°F: Y-32401 <sup>™</sup> (0-2%) or 9M02 <sup>™</sup> (up to 5% total) Brush & Roll Additive: 9M05 <sup>™</sup>	8 Parts Color 1 Part Activator 0 to 5% Reducer Roll Additive 1 oz. 9M05 <sup>™</sup> per Ready to Spray Gallon	Apply by spray for Maximum Appearance. Brush & roll optional. Film Build: 3 - 5 mils wet 2 - 3 mils dry	Dry to touch: 3 hours Dry to handle: 7 hours Dry to recoat: 5 hours May be accelerated with VG-805. *See product data sheet.

#### **Surface Preparation**

As part of Axalta's simplified approach to painting of Construction Equipment, we have analyzed the various types of surface preparation most likely needed in your industry. When you follow the recommendations presented below for each of the different types of surfaces you will be painting, you will get the best results from your painting investment.

It is important to remember, however, that some surface preparation is always required; whatever the surface or whatever the paint you use. Even if surface preparation means only dusting the surface and removing, any loose material, **DO NOT OMIT THIS STEP**. All paint products are designed to perform at their best when used correctly. Unless the surface is prepared correctly to receive, the paint will not adhere properly and may fail very early in its life.

All surfaces must be clean and free of all contamination. Clean all surfaces with detergent using clean water followed by a clean water rinse. Then allow to dry prior to further surface preparation.

All previously, painted surfaces in good condition should be scuff sanded after detergent cleaning, to insure adequate adhesion.

All previously painted surfaces in fair to poor condition, (poor coating adhesion and rusting,) needs to be hand and or power tooled cleaned after detergent cleaning, and the surface should be primed with an Axalta Coating Systems primer.

<b>STEEL</b> (except galvanized)Good	- Detergent/Solvent Clean (SSPC-SP 1) Better - Hand and power tool clean (SSPC-SP2/3) Best - Abrasive blast clean (SSPC-SP6)
GALVANIZED STEEL	Good - Detergent/Solvent Clean (SSPC-SP 1) Better - Hand and power tool clean (SSPC-SP2/3) Best - Abrasive blast clean (SSPC-SP7)
ALUMINUM*	Good* - Detergent/Solvent Clean, (SSPC-SP 1) Better* - Hand and power tool clean (SSPC-SP2/3) Best - Abrasive blast clean (SSPC-SP7)
	* aluminum to be chemically treated

## **Application**

Doing a quality painting job also depends on how well you apply the paint. No matter how well the surface is prepared, or how good the paint product, you will get the best results by applying the paint properly.

#### **Conditions During Painting**

Generally speaking, the best temperatures for painting are normal room temperatures. About the only time, you need worry about ambient temperature for indoor painting is when it is hotter than 95°F. When painting outdoors on a cool day, wait until the air temperature is at least 50°F; do not paint outdoors if the temperature is near 100°F.

Humidity can affect your painting, too. If it is too humid, it will slow the drying of most paints. Likewise, do not paint outdoors when it is raining, or just about to. Rain can quickly spoil a paint job.

Finally, watch out for winds when painting outdoors. Wind can blow dust and dirt onto the wet paint, and can also interfere with spray painting. If it is windy, wait until the wind dies down or paint those areas that are protected from the wind.

#### **Application Methods**

The method you select for painting depends on the type of surface being coated, the size of the job, what paint you are using and your labor costs for painting.

**Spray**  $\rightarrow$  All things considered, spray painting is usually the most economical painting method in the long run. Conventional air spray is most commonly used, but for very large, flat surfaces, you should consider using airless spraying. Airless spraying can sometimes double your painting productivity as compared with air spraying. There are several types of spray equipment; all designed to do particular jobs. Be sure your spray equipment is in good operating condition; fluid lines and pressure pots clean; pressure gauges and diaphragm valves operating; spray guns clean and properly adjusted. See that effective traps for water and oil are in the air feed side of each pressure pot and are bled before use. Properly adjusted spray equipment can save you money, for every stroke of the gun uses up paint and labor; wrong settings can double your spraying costs. Follow the correct spraying techniques for the job you are doing. Hold the spray gun at the right angle, keep the gun the right distance from the surface and move it correctly across the surface.

## **Application (Continued)**

**Brush**  $\rightarrow$  Brushing paint is ordinarily the slowest and most expensive way of applying a coating and for applying primers or undercoats to lap joints, deep pits, rivets or hand-cleaned steel. Brushes should be clean, of good quality and the right size and shape for the surfaces to be painted. Some of today's newer brush filament materials may improve your painting, speed up your work and save you money.

**Roller** $\rightarrow$  A very economical way to apply coatings, but usually not used to repaint equipment.

#### Axalta Coating systems has the ability to match most Construction Equipment colors.

EQUIPMENT Color Name	lmron <sup>®</sup> 2.1 HG™ +	lmron <sup>®</sup> 3.5 HG™ +	lmron <sup>®</sup> 1.2 HG™	Tufcote <sup>®</sup> 3.5 HG-D™	Imron <sup>®</sup> Industrial Strength GN,GO,GP and GQ Qualities
White	1333- 67632	42P-1632	1632 WG	LF-63234P	9T11 (1632 White)
Black	1333- 67640	42P-1640	1640 WG	LF-64034P	9T02 (1640 Black)
New Holland Ford Blue	VF-3071	42P-3071	3071WG	LF-307134P	3071
Omaha Orange	1333- 23662	42P-1662	1662 WG	LF-66234P	1662
New Cat Yellow	VF-3069	42P-3069	3069 WG	34-3069	3069
Caterpillar Highway Yellow	VF-3133	42P-3133	3133 WG	34-3133	3133
BFI Blue	VF-3067	42P-3067	3067 WG	LF-306734P	3067
Waste Management Green	VF-3356	42P-3356	1666 WG	34-3356	3356
John Deere Green	VF-1566	42P-1566	1566 WG	LF-156634P	1556
John Deere Industrial Yellow	VF-1564	42P-1564	1564 WG	LF-156434P	1564
International Harvester (Case) Red	VF-3068	42P-3068	3068 WG	LF-306834P	3068
Case Power Tan	VF-3070	42P-3070	3070 WG	34-3070	3070
Case Gray	VF-3134	42P-3134	3134 WG	34-3134	3134
New Holland Ind. Yellow	VF-3072	42P-3072	3072 WG	34-3072	3072
New Holland Agriculture. Yellow	VF-3135	42P-3135	3135 WG	34-3135	3135
New Holland Agriculture (Case) Red	VF-3136	42P-3136	3136 WG	LF-313634P	3136
Safety Blue	VF-1665	42P-1665	1665 WG	LF-166534P	1665

## COLOR

#### Axalta Coating Systems has the ability to match most Construction Equipment colors.

EQUIPMENT Color Name	Imron <sup>®</sup> 2.1 HG <sup>™</sup> +	Imron <sup>®</sup> 3.5 HG™ +	Imron <sup>®</sup> 1.2 HG™	Tufcote <sup>®</sup> 3.5 HG-D™	Imron <sup>®</sup> Industrial Strength GN,GO,GP and GQ Qualities
Genie Blue	VF-BS913	BS913-42	BS913WG	34-BS913	NA
Genie Gray	VF-LS191	LS191-42	LS191WG	34-LS191	NA
National Rent Vehicle Yellow	VF-B8779	B8779-42	B8779WG	34-B8779	B8779
JLG Orange	VF-YS073	YS073-42	YS073WG	34-YS073	NA
JLG Tan	VF-YS386	YS386-42	YS386WG	34-386	NA
TEREX White	VF-3001	42P-3001	3001WG	34-3001	3001
TEREX Gray	VF-3002	42P-3002	3002WG	34-3002	3002
Nations Rent Decal Yellow	VF-Q1391	Q1391-42	Q1391WG	34-Q1391	1391
Bob Cat Gray	VF-DS023	DS023-42	DS023WG	34-DS023	NA
Bob Cat Orange	VF-YS019	YS019-42	YS019WG	34-YS019	NA
Bob Cat White	VF-LS006	LS006-42	LS006WG	34-LS006	NA
Ingersol Rand Beige	VF-F1561	F1561-42	F1561WG	34-F1561	NA
Veneer Yellow	VF-3069	42P-3069	3069WG	34-3069	3069
Ditch Witch Red	VF-YS024	YS024-42	YS024WG	34-YS024	NA
John Deere Yellow	VF-1565	42P-1565	1565WG	34-1565	1565
Upright Blue	VF-3606	42P-3606	BS460WG	34-BS460	NA
Sunbelt Green	VF-Q1343	Q1343-42	Q1343WG	34-Q1343	Q1343

Available at **blendsupply.com** 1.800.647.9279 orders@blendsupply.com

In the United States: 1.855.6.AXALTA axalta.us In Canada: 1.800.668.6945 axalta.ca

© 2016 Axalta Coating Systems, LLC and all affiliates. All rights reserved. E-R5265 (06/16)



