

	North America	Technical Data Sheet	
	Product Shelf Life		Misc
			06.02.2015
	FOR PROFESSIONAL USE ONLY		

Description

AkzoNobel guarantees, when stored according to the recommendations, the quality of the products until the specified period of time for that product. This time is called the product shelf life. Once the product exceeds the shelf life, although it may perform well, it is no longer guaranteed by AkzoNobel.

Recommended Storage Conditions

Stock unopened or used products in approved closed containers with proper labeling. Store in moderate temperatures between 40°F - 95°F (5°C – 35°C). Avoid too much temperature fluctuation. Optimum storage temperature is approximately 70°F (21°C).

Below are details related to specific product storage and handling:

- Several products can tolerate being frozen. Including AutoPrep Ultra Prep and Activator WB. If the product freezes, allow it to return to room temperature and use per the TDS recommendations.
- Autowave – Autowave toners should not be frozen. Toners that have been frozen will contain gel particles and lumps and can no longer be used.



Safety Considerations

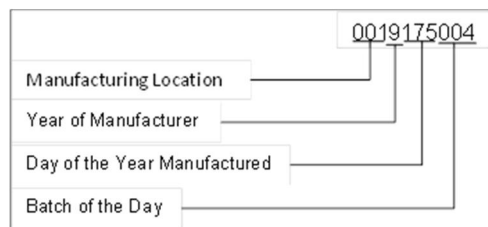
Use suitable personal protection.

AkzoNobel Car Refinishes recommends the use of a fresh air supply respirator.

Refer to the product Material Safety Data Sheet (MSDS) for more complete safety information.

Production Date Explanation

A production date is either printed on the label or on the bottom of the can of every product. Different codes can be encountered on various products. All codes which may be encountered are explained below.



The 001 represents the location the product was manufactured. 022 may also be seen.

The 9 represents the year the product was manufactured. This product was manufactured in 2009.

The 175 represents the day out of 365 in 2009 the product was manufactured. This product was manufactured June 24, 2009.

The 004 represents the production run of the day. This was the fourth batch filled on June 24, 2009.

If this product has a one year shelf life, it will expire June 24, 2010 and should not be used beyond that date.



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Regulated Markets

<u>Clearcoats</u>				
	Item #	Product Description	Fill Size	Shelf Life (Months)
	480559	Autoclear® Energy Pro 250	1 Gl	12
	480806	Autoclear® Superior 250 2 Pack Slow	1 Gl	12
	480807	Autoclear® Superior 250 2 Pack Fast	1 Gl	12
	481028	Autoclear® HS+LV 2 Pack Slow	1 Gl	12
	481027	Autoclear® HS+LV 2 Pack Fast	1 Gl	12
<u>Pretreatments</u>				
	398576	AutoPrep™ Etching Pen CF	1.3 oz	24
	1014570	AutoPrep™ Pretreatment Wipes (<i>Non Paint Product</i>)	1 Cnt	12
<u>Primers & Sealers</u>				
	397932	Colorbuild™ Plus 250 Black	1 Gl	12
	397934	Colorbuild™ Plus 250 Blue	1 Lt	12
	397935	Colorbuild™ Plus 250 Green	1 Lt	12
	397933	Colorbuild™ Plus 250 Red	1 Lt	12
	397937	Colorbuild™ Plus 250 White	1 Gl	12
	397936	Colorbuild™ Plus 250 Yellow	1 Lt	12
	481126	Primer PO LV	1 Qt	12
	481361	Autosealer WB	1 Gl	12
	483903	High Build Surfacer Gray	1 Gl	12
	483303	Autosurfacer UV Aerosol	400 ml	12
<u>Hardeners</u>				
	397938	Colorbuild™ Plus 250 Hardener	1 Qt	6
	389576	Sikkens WB Hardener	1 Qt	6
	480560	Autoclear® Energy Pro 250 Hardener	1 Qt	6
	480808	Autoclear® Superior 250 2 Pack Hardener	1 Gl	6
	481026	Autoclear® HS + LV 2 Pack Hardener	1 Gl	6
	484451	Colorbuild™ Plus 250 Slow Hardener	1 Qt	6
<u>Reducers, Thinners & Surface Cleaners</u>				
	480562	Autoclear® Energy Pro 250 Reducer Medium	1 Qt	12
	480563	Autoclear® Energy Pro 250 Reducer Slow	1 Qt	12
	480561	Autoclear® Energy Pro 250 Reducer Spot and Panel	1 Qt	12
	397942	Colorbuild™ Plus 250 Activator Extra Slow	1 Qt	12
	397940	Colorbuild™ Plus 250 Activator Medium	1 Qt	12

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	397941	Colorbuild™ Plus 250 Activator Slow	1 Qt	12
	397939	Colorbuild™ Plus 250 Activator Spot & Panel	1 Qt	12
	398217	LV Reducer Medium	1 Gl	24
	397904	Reducer SRA 4.5	1 Qt	12
	391000	Cleaning Solvent LV	5 Gl	48
	500325	Matte Select Reducer	1 Qt	12
	509927	Autoprep Ultra Prep Surf Cleaner	1 Gl	12

Special Products & Additives

	391196	Activator WB	1 Lt	36
	391192	Autowave® Additive LP	1 Lt	12
	391311	Autowave® Gun Cleaner (25 g/L)	5 Gl	48
	398179	Autowave® Underhood Additive	1 Qt	6
	397952	Colorbuild™ Plus 250 Underhood Additive	1 Qt	12
	398218	LV Elast-O-Actif	1 Qt	12
	389353	Sikkens LV 250 Accelerator	250 ml	12
	500324	Matte Select	1 Qt	12

Autowave® Mixing Colors

	391094	00 White	1 Lt	12
	393896	101 White transp.	1 Lt	18
	483018	245 Jet Black	1 Lt	24
	391098	254 Dark Orange	0.5 Lt	24
	483096	266 Yellow (green) transparent (<i>replaces 391099</i>)	0.5 Lt	18
	393901	296 Light yellow	0.5 Lt	12
	393897	332BA Pearl blue (fine)	1 Lt	48
	391103	332GA Pearl green	0.5 Lt	48
	391104	332GB Fine green pearl	0.5 Lt	48
	391105	332RA Rutile red pearl	0.5 Lt	48
	393898	332VA Pearl violet	1 Lt	48
	391108	332XB Blue effect, med. coarse transp.	0.5 Lt	48
	391109	332XG Gold effect, med. coarse transp.	0.5 Lt	48
	391110	332XS Silver effect, med. coarse transp.	0.5 Lt	48
	391111	332YA Gold pearl	0.5 Lt	48
	391112	333P White pearl	1 Lt	48
	391113	333PB Blue pearl	1 Lt	48
	391114	333PG Yellow pearl	1 Lt	48
	391115	333PR Red pearl	1 Lt	48
	391116	334GA Moss green pearl	0.5 Lt	48
	391117	334GB Blue green pearl	0.5 Lt	48
	391118	334PR Red pearl fine	0.5 Lt	48

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	391119	334RA Red brown pearl satin	0.5 Lt	48
	391120	334RB Red brown pearl	0.5 Lt	48
	391121	334RC Scarab red to green pearl	0.5 Lt	48
	391123	334WA White pearl (extra fine)	0.5 Lt	48
	391124	334WB Pearl (light) satin lustre	0.5 Lt	48
	391126	334XR Red effect, med. coarse transp.	0.5 Lt	48
	510557	334XR Red effect, med. coarse transp.	1 Lt	48
	391127	334ZA Graphitan black	0.5 Lt	48
	391128	335 Bright yellow	0.5 Lt	36
	391129	342 Blue green transp.	1 Lt	24
	482951	350 Violet Red	0.5 Lt	18
	482952	355 Red Orange	1 Lt	18
	391132	360 Red-oxide	0.5 Lt	24
	391133	361 Red-yellow	0.5 Lt	24
	391134	379 Green-blue transp.	1 Lt	24
	391135	400 Deep black	1 Lt	36
	391136	527 Red maroon transp.	1 Lt	12
	391138	534 blue violet transparent	1 Lt	18
	391139	537 Bright maroon transp.	1 Lt	24
	391141	558 Light oxide yellow	0.5 Lt	18
	391142	568 Orange-red transp.	0.5 Lt	24
	391143	575 Blue transp.	1 Lt	24
	393899	577 Green transp.	1 Lt	24
	391145	579 Orange yellow transp.	0.5 Lt	24
	391146	599 Red-brown transp.	0.5 Lt	24
	391147	666 Correction Binder	3.75 Lt	24
	391148	732 Dark green transp.	1 Lt	36
	391149	744 Mixing Black	1 Lt	36
	391150	777 Light grey transp.	1 Lt	24
	391151	888C Metallic Coarse	1 Lt	36
	391152	888CC Metallic very coarse	1 Lt	36
	391153	888DC Metallic Coarse (very brilliant)	1 Lt	36
	391154	888DF Metallic Fine	1 Lt	36
	391155	888EC Metallic extra coarse	1 Lt	36
	391156	888MS Metallic Fine Bright	1 Lt	36
	391157	888YA Paliocrom gold	1 Lt	36
	391158	952 Dark red oxide transp.	1 Lt	36
	391159	954 Violet red transp.	1 Lt	24
	391160	971 Violet	1 Lt	24
	368582	974 Dk. Oxide yellow transp.	1 Lt	24
	391162	98 White	1 Lt	24

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	391163	980 Dark blue transp.	1 Lt	36
	482953	1001 Easy Dose Black	0.5 Lt	18
	482954	1002 Easy Dose Blue	0.5 Lt	18
<u>Autowave® Special Effect Toners</u>				
	399926	SEC000 Chromaflair Red/Gold 337RA	0.5 Lt	12
	399927	SEC060 Chromaflair Silver/Green 337WA	0.5 Lt	12
	399928	SEC080 Chromaflair Gold/Silver 337YA	0.5 Lt	12
	399929	SEC190 Chromaflair Green/Purple 337GA	0.5 Lt	12
	399930	SEC230 Chromaflair Cyan/Purple 337BB	0.5 Lt	12
	399931	SEC280 Chromaflair Blue/Red 337BA	0.5 Lt	12
	399932	SEC334 Chromaflair Magenta/gold 337RB	0.5 Lt	12
	369093	338SA Argentum	.75 Lt	24
	494031	338NB SEC Orange (red) Metallic	0.5 Lt	12
	484255	338NM SEC Medium Sparkling Silver	0.5 Lt	12
	480512	339NA SEC Lilac to Blue	0.5 Lt	12
	480513	339NB SEC Red to Green	0.5 Lt	12
	480514	339NC SEC Green to Orange	0.5 Lt	12
	481124	339ND SEC Lilac Sparkle	0.5 Lt	12
	480515	339NE SEC Green Sparkle	0.5 Lt	12
	483298	339NG SEC Turquoise to Gold	0.5 Lt	12
	494030	339NJ SEC Gold to Blue	0.5 Lt	12

National Rule Markets

<u>Clearcoats</u>				
	391297	Autoclear® PC	1 Gl	12
	391298	Autoclear® PC Production	1 Gl	12
	481303	Autoclear® HS+ 2 Pack Slow	1 Gl	12
	481304	Autoclear® HS+ 2 Pack Fast	1 Gl	12
<u>Aerosols</u>				
	385054	Anti-Static Surface Cleaner Aerosol	14 oz	24
	398184	AutoPrep™ Spot Primer Aerosol	14.75 oz	24
	385056	M600 Surface Cleaner Aerosol	14 oz	24
	387016	Primer PO Aerosol	14.75 oz	24
	390991	Rally Black Aerosol	400 ml	12
	390982	Spot Primer Black Aerosol	400 ml	12
	390985	Spot Primer Grey Aerosol	400 ml	12
	390986	Spot Primer Red Aerosol	400 ml	12
	390987	Spot Primer White Aerosol	400 ml	12

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	390990	SRA Aerosol	400 ml	12
	398915	Washprimer 1K CF Aerosol 1.5	400 ml	12
<u>Polyester Bodyfillers & Putties</u>				
	330868	Sikkens Kombi Putty, Tube	200 gm	24
	315793	Sikkens Polysurfacer & Hardener (includes 303598)	1 Lt	6
<u>Surfacers / Sealers</u>				
	393719	Colorbuild Plus™ Black	1 Gl	24
	393721	Colorbuild Plus™ Blue	1 Lt	24
	393722	Colorbuild Plus™ Green	1 Lt	24
	393720	Colorbuild Plus™ Red	1 Lt	24
	393718	Colorbuild Plus™ White	1 Gl	24
	393723	Colorbuild Plus™ Yellow	1 Lt	24
<u>Surfacers</u>				
	398181	Autosurfacer® 2+1 HS	1 Gl	24
	391613	Sikkens Autosurfacer® Rapid Dark Grey	3 Lt	24
	391612	Sikkens Autosurfacer® Rapid Light Grey	3 Lt	24
<u>Plastic Parts</u>				
	387037	Plasticfix (Keep from freezing)	11 oz	24
	387005	Primer PO	1 Qt	24
<u>Pretreatments</u>				
	398576	AutoPrep™ Etching Pen CF	1.3 oz	24
	390845	Washprimer 1K CF	1 Gl	12
	399851	Washprimer 1K CF	1 Lt	12
<u>Hardeners</u>				
	391299	Autoclear® PC Hardener	1 Gl	6
	384102	Autocryl® Hardener	1 Qt	6
	384103	Autocryl® Hardener Rapid	1 Qt	6
	398182	Autosurfacer® 2+1 HS Hardener	1 Qt	12
	393727	Colorbuild Plus™ Primer Sealer Hardener	1 Qt	6
	393732	Colorbuild Plus™ Primer Sealer Hardener Slow	1 Qt	6
	393726	Colorbuild Plus™ Primer Surfacer Hardener	1 Qt	6
	303598	Polysurfacer Hardener	50 gm	24
	391614	Sikkens Autosurfacer® Rapid Hardener	1 Lt	18
	398766	Sikkens XP Hardener	1 Qt	6
	384160	Standard Hardener	1 Qt	6
	481305	Autoclear® HS+ 2 Pack Hardener	1 Gl	6

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<u>Reducers, Thinners & Surface Cleaners</u>				
	393730	Colorbuild Plus™ Primer Sealer Reducer	1 Gl	12
	393733	Colorbuild Plus™ Primer Sealer Reducer Slow	1 Qt	12
	397354	Colorbuild Plus™ Surfacer Activator Medium	1 Qt	12
	397353	Colorbuild Plus™ Surfacer Activator Spot & Panel	1 Qt	12
	391066	High Performance Reducer Extra Slow	1 Gl	24
	391059	High Performance Reducer Fast	1 Gl	36
	391060	High Performance Reducer Fast	5 Gl	36
	391062	High Performance Reducer Medium	1 Gl	36
	391063	High Performance Reducer Medium	5 Gl	36
	391064	High Performance Reducer Slow	1 Gl	24
	391065	High Performance Reducer Slow	5 Gl	24
	385009	OTO Quick Degreaser	1 Gl	24
	385063	Reducer SRA 7.0	1 Qt	12
	385064	Reducer SRA 7.0	1 Gl	12
	385014	Anti-Static Surface Cleaner	1 Gl	24
	387040	M600 Surface Cleaner	1 Gl	24
	387041	M600 Surface Cleaner	5 Gl	24
	385003	Sikkens Cleaning Solvent	5 Gl	24
<u>Special Products & Additives</u>				
	387054	Anti-Silicon	1 Qt	48
	386088	Autobase Plus® Blending Additive	1 Qt	24
	386100	Autocryl® Elast-O-Actif	1 Qt	12
	386210	Autocryl® ExtraTop	250 ml	12
	319978	Autocryl® Rally Black	1 Lt	48
	387038	Blend Prep (Keep from freezing)	11 oz	24
	393731	Colorbuild Plus™ Underhood Additive	1 Qt	12
	398867	OTO Body Coat Black (chrome-6-free)	1 Lt	12
	393929	Sikkens SuperTop	250 ml	12
<u>Autobase Plus® Mixing Colors</u>				
	389065	Q065 Autobase Plus® Binder	3.75 Lt	48
	389070	Q070 Autobase Plus® Pearl Transparency Enhancer	1 Lt	48
	398265	Q080 Autobase Plus® Single Stage Converter	3.75 Lt	12
	389090	Q090 Autobase Plus® Interior Converter Gloss	1 Lt	12
	389091	Q091 Autobase Plus® Interior Converter Mat	1 Lt	12
	351760	Q110 White	3.75 Lt	48
	398266	Q120 High Strength White	3.75 Lt	48
	390943	Jet Black	1 Lt	48

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	351761	Q140 Deep black	3.75 Lt	48
	351762	Q160 Mixing black	3.75 Lt	48
	389190	Q190 White grey transparent	1 Lt	48
	389192	Q190 White grey transparent	3.75 Lt	48
	389191	Q191 White grey trans Extra Strong	1 Lt	48
	351490	Q195 White transparent	1 Lt	48
	351546	Q198 Graphite	1 Lt	48
	351723	Q231 Brilliant Red	1 Lt	48
	351349	Q232 Red transparent	1 Lt	48
	351937	Q235 Brilliant Red orange	1 Lt	48
	351359	Q239 Red oxide	1 Lt	48
	351489	Q271 Red maroon transparent	1 Lt	48
	351401	Q279 Red semi transparent	1 Lt	48
	351491	Q325 Dark Orange	1 Lt	48
	351350	Q328 Brown red oxide transparent	1 Lt	48
	351403	Q348 Orange yellow	1 Lt	48
	351487	Q431 Yellow transparent	1 Lt	48
	351351	Q436 Dark yellow oxide transparent	1 Lt	48
	351358	Q437 Bright yellow oxide	1 Lt	48
	351356	Q439 Yellow orange transparent	1 Lt	48
	351357	Q452 Light yellow	1 Lt	48
	351352	Q455 Bright yellow	1 Lt	48
	351353	Q550 Green transparent	1 Lt	48
	351400	Q564 Dark green transparent	1 Lt	48
	351505	Q652 Blue green transparent	1 Lt	48
	351354	Q671 Blue transparent	1 Lt	48
	351625	Q673 Bright blue transparent	1 Lt	48
	351724	Q678 Blue violet transparent	1 Lt	48
	351355	Q725 Bright maroon transparent	1 Lt	48
	351399	Q726 Violet red transparent	1 Lt	48
	351397	Q766 Violet blue transparent	1 Lt	48
	389811	Q811B Metallic extra fine	1 Lt	48
	389812	Q811E Metallic fine	3.75 Lt	48
	389813	Q811J Metallic medium, sparkling	1 Lt	48
	389827	Q811J Metallic medium, sparkling	3.75 Lt	48
	389814	Q811M Metallic medium coarse, sparkling	1 Lt	48
	389828	Q811M Metallic medium coarse, sparkling	3.75 Lt	48
	389815	Q811P Metallic coarse	3.75 Lt	48
	389816	Q811R Metallic very coarse	3.75 Lt	48
	389817	Q811U Metallic glitter	1 Lt	48
	389818	Q843H Yellow gold paliocrom	1 Lt	48
	353873	Q911H Silver Effect Xirallic	1 Lt	48

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	389920	Q911M Pearl white, medium coarse	1 Lt	48
	351548	Q914C Pearl white, extra fine	1 Lt	48
	351549	Q914F Pearl white, fine	1 Lt	48
	398267	Q922F Pearl Red Fine	1 Lt	48
	389923	Q922M Pearl red, medium coarse	1 Lt	48
	389940	Q922M Pearl red, medium coarse	3.75 Lt	48
	353874	Q923H Red Effect Xirallic	1 Lt	48
	351550	Q925M Pearl super red, medium coarse	1 Lt	48
	351551	Q925N Pearl copper red, medium coarse	1 Lt	48
	351552	Q933F Pearl brown red, fine	1 Lt	48
	351553	Q933M Pearl brown red, medium coarse	1 Lt	48
	351554	Q941F Pearl gold, fine	1 Lt	48
	353876	Q941H Gold Effect Xirallic	1 Lt	48
	389929	Q941M Pearl gold, Medium Coarse	1 Lt	48
	351555	Q943M Pearl redgold, medium coarse	1 Lt	48
	351556	Q951F Pearl green, fine	1 Lt	48
	351557	Q952M Pearl green red, medium coarse	1 Lt	48
	480612	Q954G Pearl blue green, medium	1 Lt	48
	351559	Q954M Pearl blue green, medium course	1 Lt	48
	389935	Q954S Pearl bright green, very coarse	1 Lt	48
	398268	Q961H Blue Xirallic	1 Lt	48
	481405	Q964H Pearl blue, fine	1 Lt	48
	398269	Q964R Pearl blue, very coarse	1 Lt	48
	389938	Q975S Pearl violet, very coarse	1 Lt	48
<u>Autobase Plus® Special Effect Colors and Distributor Mix Colors</u>				
	388982	CF334 SEC2322 Chromaflair Magenta/Gold	0.5 Lt	48
	390931	SEC1111 - Argentum	1 Lt	48
	388980	CF000 SEC2343 Chromaflair red/gold	0.5 Lt	48
	388987	Q877WA SEC Silver to Green	0.5 Lt	48
	388981	Q877YA SEC Gold to Silver	0.5 Lt	48
	388986	CF190 SEC5673 Chromaflair Green/Purple	0.5 Lt	48
	388985	CF230 SEC6723 Chromaflair Cyan/Purple	0.5 Lt	48
	388984	CF280 SEC6233 Chromaflair Blue/Red	0.5 Lt	48
	494041	Q878NF SEC Fine Sparkling Silver	0.5 Lt	48
	494034	Q878NM SEC Medium Sparkling Silver	0.5 Lt	48
	399806	Q879NG SEC Turquoise to Gold	1 Lt	48
	393725	Q879NA SEC Lilac to Blue	1 Lt	48
	391450	Q879NB SEC Red to Green	1 Lt	48
	391453	Q878NB SEC Orange (red) Metallic	1 Lt	48
	356814	Q951H Pearl green, medium coarse	1 Lt	48

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AkzoNobel Coatings Inc,

Vehicle Refinishes

Address: 1845 Maxwell Street – Troy, MI USA

Telephone: 800.618.1010

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IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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