PRODUCT RECOMMENDATION GUIDE

HALOX® Corrosion Inhibitors

WATER-BASED SYSTEMS

	FILM THICKNESS	REALIZABLE SALT SPRAY HOURS	1st RECOMMENDATION	2nd RECOMMENDATION	TO IMPROVE ADHESION (SYNERGY)
ACRYLIC EMULSION PRIMER	<15 microns	100 hours	HALOX® SZP-391 JM 3-5% & HALOX® 550 1-3%	HALOX® 430 JM 3-5% & HALOX® 550 1-3%	—
	25-50 microns	336 hours	HALOX® SZP-391 3-5%	HALOX® 750 3-5%	HALOX® 570 LS or HALOX® 515 1-3%
	>50 microns	500 hours	HALOX® SZP-391 5%	HALOX® 750 5%	HALOX® 570 LS or HALOX® 515 1-3%
DIRECT-TO-METAL HIGH GLOSS ACRYLIC ENAMEL	<25 microns	100 hours	HALOX® SZP-391 JM 1-3%	HALOX® 430 JM 1-3%	HALOX® 570 LS or HALOX® 515 1-3%
	>25 microns	336-500 hours	HALOX® SZP-391 3-5%	HALOX® 430 3-5%	HALOX® 570 LS or HALOX® 515 1-3%
ALKYD EMULSIONS & DISPERSIONS	<25 microns	100-200 hours	HALOX® SZP-391 JM 3% & HALOX® 570 LS 1-3%	HALOX® 550 WF 1-3%	HALOX® 550 WF or HALOX® 515 1-3%
	25-50 microns	336 hours	HALOX® SZP-391 1-3% & HALOX® 550 WF 1-3%	HALOX® 750 3-5%	HALOX® 570 LS or HALOX® 515 1-3%
2K POLYURETHANE	<25 microns	100-200 hours	HALOX® 430 JM 1-3%	HALOX® SZP-391 JM 5%	HALOX® 570 LS 1-3%
	>25 microns	336-500 hours	HALOX® 430 3-5%	HALOX® SW-111 3-5%	HALOX® 570 LS 1-3%
2K EPOXY	<25 microns	336 hours	HALOX® 430 JM 1-3%	HALOX® SZP-391 JM 1-3%	HALOX® 550 WF 1-3%
	>25 microns	500+ hours	HALOX® SW-111 3-5%	HALOX® 430 3-5%	HALOX® 550 WF 1-3%
1K EPOXY	25+ microns	68-336 hours	HALOX® 750 5% or HALOX® 550 2%	HALOX® SW-111 5%	HALOX® 550 WF 1-3%
EPOXY DISPERSION	<25 microns	336 hours	HALOX® 430 JM 1-3%	HALOX® SZP-391 JM 1-3%	HALOX® 570 LS or HALOX® 515 1-3%
	>25 microns	500+ hours	HALOX® SW-111 5-7%	HALOX® 750 5%	HALOX® 570 LS or HALOX® 515 1-3%
POLYVINYLIDENE CHLORIDE (PVDC)	<25 microns	200 hours	HALOX® SZP-391 JM 1-3%	HALOX® 430 JM 1-3%	HALOX® 550 / 550 WF 1-3%

ICL Advanced Additives

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	WATER-BASED SYSTEMS				
	FILM THICKNESS	REALIZABLE SALT SPRAY HOURS	1st RECOMMENDATION	2nd RECOMMENDATION	TO IMPROVE ADHESION (SYNERGY)
PVDC (Rust Converter Primer)	<25 microns	48-168 hours	HALOX® 550 WF 3-5%	—	—
CATIONIC ACRYLIC (pH<7)	>50 microns	72-100 hours	HALOX® FLASH-X® 330 4-5% *Pre-mix (50:50) with Water*	—	HALOX® 550 1-2%
CATIONIC ALKYD	>50 microns	200 hours	HALOX® 550/550 WF 1-3%	—	—
CATIONIC POLYURETHANE DISPERSIONS	<50 microns	>200 hours	HALOX® FLASH-X® 330 4-5% *Pre-mix (50:50) with Water*	—	HALOX® 550 1-3%
ANIONIC POLYURETHANE DISPERSIONS	>50 microns	<200 hours	HALOX® 430 3-5%	HALOX® 570 LS 1-3%	HALOX® 550 1-3%
1K CATIONIC EPOXY (pH<7)	>50 microns	100-500 hours	HALOX® SZP-391 5%	HALOX® 430 JM 5%	HALOX® 550 / 550 WF 1-3%
HYBRID ACRYLIC ALKYD	>50 microns	<200 hours	HALOX® 515 1-3%	HALOX® 570 LS 1-3%	HALOX® 550 / 550 WF 1-3%
ACRYLIC EPOXY (Topcoat)	>50 microns	500+ hours	HALOX® 570 LS or HALOX® 515	HALOX® 550/550 WF 1-3%	—
SILICONE EMULSION	>50 microns	200 hours	HALOX® SZP-391 6-8%	HALOX® 570 LS 1-3%	HALOX® 550 WF 1-3%
RUST PREVENTATIVE COATING (Temporary)	<5 microns	1-24 hours	HALOX® 550/550 WF	—	SEE TDS
PHENOLIC DISPERSIONS	25-50 microns	<500 hours	HALOX® SZP-391 3-5% or HALOX® 550/550 WF 1-2%	HALOX® 750 3-5%	—

ICL Advanced Additives

PRODUCT RECOMMENDATION GUIDE

HALOX® Corrosion Inhibitors

SOLVENT-BASED SYSTEMS

	FILM THICKNESS	REALIZABLE SALT SPRAY HOURS	1st RECOMMENDATION	2nd RECOMMENDATION	TO IMPROVE ADHESION (SYNERGY)
2K EPOXY PRIMER (+ high solids)	25-50 microns	500 hours	HALOX® SW-111 5-7%	HALOX® 700 5-7%	HALOX® 630 1-3% HALOX® 550 WF 1-4%
	>50 microns	1000 hours	HALOX® SW-111 7-10% or HALOX® 550 WF 1-3%	HALOX® 700 5-7%	HALOX® 630 1-3%
EPOXY ESTER	<25 microns	336 hours	HALOX® SZP-391 JM 3-5%	HALOX® 430 JM 3-5%	HALOX® 550 WF or HALOX® 630 1-3%
	>25 microns	500+ hours	HALOX® SZP-391 5-7%	HALOX® 750 5-7%	HALOX® 550 WF or HALOX® 630 1-3%
ALKYD	<25 microns	100-200 hours	HALOX® SZP-391 JM 3-5%	HALOX® CW-291 1-3%	HALOX® 550 WF or HALOX® 630 1-3%
	25-75 microns	336-500 hours	HALOX® SZP-391 JM & HALOX® CW-2230 (2:1 ratio) 3-5%	HALOX® SZP-391 & HALOX® CW-291 (2:1 ratio) 3-5%	HALOX® 550 WF 1-3%
2K POLYURETHANE	<25 microns	200 hours	HALOX® SZP-391 JM 1-3%	HALOX® 430 JM 1-3%	HALOX® 550 WF or HALOX® 630 1-3%
	25-75 microns	500+ hours	HALOX® SZP-391 1-3% & HALOX® 550 WF 1-3%	HALOX® 700 3-5%	HALOX® 550 WF 1-3%
MOISTURE CURE POLYURETHANE	>25 microns	336 hours	HALOX® CW-2230 3-5%	HALOX 430 JM 3-5%	HALOX® 550 WF or HALOX® 630 1-3%
WASH (Etch) PRIMERS	<25 microns	336 hours	HALOX® SZP-391 JM 3-5% & HALOX® 550 WF 1-3%	HALOX® 430 JM 3-5% & HALOX® 550 WF 1-3%	—
COIL COATING POLYESTER	>25 microns	500+ hours	HALOX® 430 JM 5% & HALOX® 650 0.5%	HALOX® SZP-391 JM 5% & HALOX® 650 0.5%	
COIL COATING EPOXY PRIMER	<25 microns	500+ hours	HALOX® 430 JM 5-8% & HALOX® 650 0.5%	HALOX® SZP-391 JM 5% & HALOX® 650 0.5%	—
PHENOLIC ALKYD	25-50 microns	336 hours	HALOX® SZP-391 6% & 550 WF 1%	HALOX® SZP-391 6%	HALOX® 630 1%
ACRYLIC TOPCOAT	25-50 microns	200 hours	HALOX® 550 WF 1-3%	HALOX® 630 1-3%	—

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HALOX® Corrosion Inhibitors

	OTHER SYSTEMS				
	FILM THICKNESS	REALIZABLE SALT SPRAY HOURS	1st RECOMMENDATION	2nd RECOMMENDATION	TO IMPROVE ADHESION (SYNERGY)
SILOXANE (Epoxy) ACRYLIC	75-175 microns	2000 hours	HALOX® 550 / 550 WF 1-3%	—	—
UV CURE URETHANE OR EPOXY ACRYLATE	25-50 microns	500 hours	HALOX® SZP-391 JM 3-5%	HALOX® 570 0.5-2%	HALOX® 550 WF 1-2%
POWDER COATING POLYESTER/TGIC	>25 microns	500 hours	HALOX® 430 JM 5%	—	HALOX® 650 1-2%
POWDER COATING GMA ACRYLIC	>25 microns	500+ hours	HALOX® 550 WF 1-3%	HALOX® 430 5-7%	—
E-COAT CATHODIC	<25 microns	—	HALOX® 550 / 550 WF 1-3%	—	—
E-COAT ANODIC	<25 microns	—	HALOX® 550 1-3%	—	—
SILICONE (Heat Resistant Coating)	30-50 microns	<200 hours	HALOX® SZP-391 5-7%	—	HALOX® 550 WF 1-2%
ZINC RICH PRIMERS	20-40 microns	—	HALOX® 550/550 WF 2-3%	HALOX® SZP-391 JM 2-6%	—