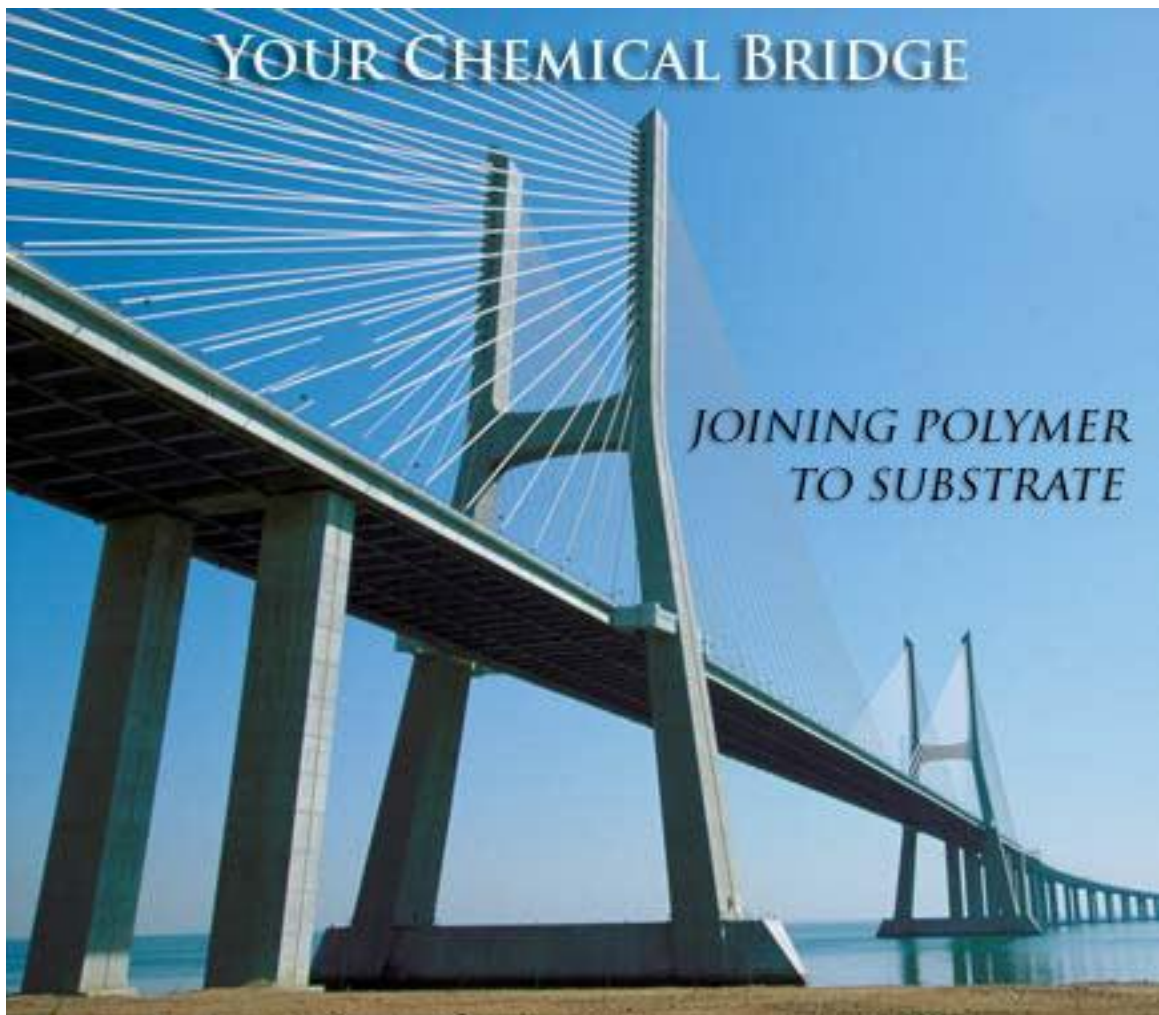




PRODUCT LIST

CHARTWELL INTERNATIONAL ADHESION PROMOTERS





Adhesion Promoters for Coatings, Adhesives, Abrasives, Printing Inks, Plastics and Rubber.

Chartwell adhesion promoters are unique composition based upon proprietary organo functional metallic compounds supplied as solutions compatible and stable in water-borne and solvent-borne systems.

Adhesion Promoters for Liquid Systems and Coatings - Chartwell®

W	CHARTWELL B-515.71 W	VOC-free amino functional metal organic complex in solution in water, for water borne applications based on acrylic, styrene-acrylic emulsions, epoxy and PUD.
W	CHARTWELL B-515.71 WM	VOC-free stabilized pre-neutralized metal complex in solution in water for water borne applications based on acrylic, styrene-acrylic emulsion, epoxy and PUD. Low cost.
W	CHARTWELL B-516.71 HRW	VOC-free di-amino functional metal organic complex in solution in water for water borne applications based on acrylic and styrene-acrylic emulsions, epoxy and PUD.
W	CHARTWELL B-515.1 WH	VOC-free amino functional bi-metal organic complex in solution in water for water borne applications based on VAE emulsions, cathodic e-coat and cationic systems.
W / S	CHARTWELL B-515.1/2 H	Amino functional metal organic complex in solution in ethylene glycol for water and solvent borne applications based on epoxy, PU2K, alkyds, polyester, and cationic water borne systems, VAE emulsions and water borne phenolic systems.
W / S	CHARTWELL C-515.71 HR	Amino functional metal organic complex in solution in propylene glycol for water and solvent borne applications based on epoxy, PU2K, Urethane modified NC, TPA, acrylic and styrene-acrylic emulsions, PUD, phenolic emulsions.
W / S	CHARTWELL C-515.71/1.5 H	High reactive amino functional metal organic complex in solution in propylene glycol for water and solvent borne applications based on PU2K, epoxy, urethane NC, alkyd hydro reducible and emulsion, acrylic and styrene-acrylic emulsions, epoxy emulsions, PUD.
W / S	CHARTWELL C-515.72 HRX	High reactive amino functional metal organic complex in solution in propylene glycol for water and solvent borne applications. Water borne based on acrylic, styrene-acrylic emulsion, PUD and alkyd hydro-reducible. Solvent borne based on PU 2K and Epoxy 2K.

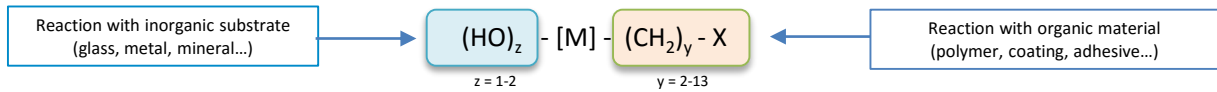
Adhesion Promoters for Powder Coatings - Chartsil®

P	CHARTSIL B-515.1/2H	Adhesion promoter based on amino functional metal organic compound adsorbed on silica carrier. Recommended for epoxy, hybrid and polyurethane resins systems applied on metal substrates. It improves moisture, corrosion and reduce blistering.
P	CHARTSIL C-523.2H	Adhesion promoter based on hybrid carboxyl / hydroxyl functional metal organic compound adsorbed on silica carrier. Recommended for Polyester PT 910 type, Polyester / TGIC and Primid resin systems. It Improves moisture and corrosion.

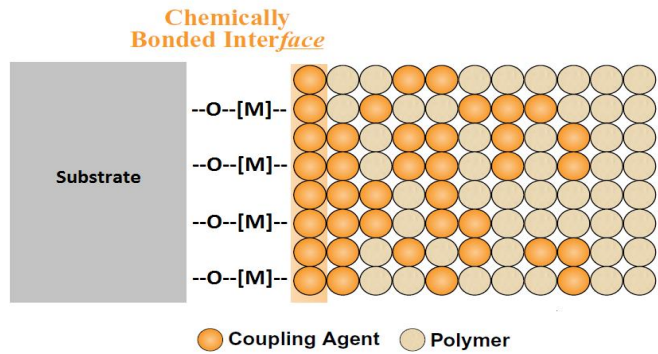
W	Suitable for water based coatings
W/S	Suitable for water and solvent based coatings
P	Suitable for powder coatings



Bi-functional molecules in that they usually have two types of reactivity built into their structures: organic and inorganic



Formation of an interface between an inorganic substrate and an organic material to bond, or couple, the two dissimilar materials.



Chartwell Adhesion Promoters - Selection tables by applications

ADHESION TO...	METALS	WOOD	PLASTIC <small>(treated PP/PE, Mylar)</small>	CERAMIC	CONCRETE	GLASS	RUBBER	ELASTOMER
B-515.71 W	★	★	★	★	★	★	★	
B-515.71 WM	★	★	★	★	★		★	★
B-516.71 HRW	★	★	★	★	★		★	★
B-515.1 WH	★							
B-515.1/2 H	★					★		
C-515.71 HR	★	★	★	★	★	★		
C-515.71/1.5 H	★	★	★	★	★			
C-515.72 HRX	★	★	★★	★	★	★★		

APPLICATIONS	SYSTEM	VOC-Free	METAL COATINGS	PLASTIC COATINGS	WOOD COATINGS	COIL COATINGS	EPOXY FLOORINGS	ELECTRO-COATINGS	ADHESIVES
B-515.71 W	W	Y	★	★	★				★
B-515.71 WM	W	Y	★	★	★				★
B-516.71 HRW	W	Y	★	★	★				★
B-515.1 WH	W	Y	★					★	★
B-515.1/2H	W / S								★
C-515.71 HR	W / S		★	★	★	★	★		★
C-515.71/1.5 H	W / S		★	★	★				★
C-515.72 HRX	W / S		★	★	★				★



Chartwell Adhesion Promoters - Selection tables by resin systems



CHARTWELL for Liquid Systems																					
COATINGS	C	C	C		C	C					C	C	C	C	C	C	C	C	C	C	
ADHESIVES		A	A	A	A	A	A	A	A	A						A		A	A		A
MEDIUM	W	S	W	W	W	S	S	S	S	W	W	S	S	S	S	S	S	W	W	W	W
RESINS SYSTEMS	Alkyd WB	Acrylic SB	Acrylic / Styren-Acrylic emulsion	EPDM Metal Oxide cure	Epoxy 2 K WB	Epoxy 2 K SB	Acrylate / Methacrylate	Neoprene Rubber	Neoprene SB	Neoprene WB	Phenolic WB	Phenolic SB	Polyester / Melamine	Acrylic / Melamine	Unsaturated Polyester	Polyurethane 2 K	Urethane NC modified	PUD	VAE Emulsion	Polyvinyl Acetate emulsion	SBR Latex
B-515.71 W	**		***		**						***							***		***	
B-515.71 WM	**		***		**													**			
B-516.71 HRW	**		***		**													***			
B-515.1 WH	**		**		**					**								**	*	**	
B-515.1/2 H		*		***	*	**		***	**		**	**	*		*	*			*		
C-515.71 HR	**	***	***		**	***					**		***	**	**	***	*				**
C-515.71/1.5 H	**		**	**	***	**		***	***	**	**					**	*	**			
C-515.72 HRX		***	***		***	***	***				***	**		*	***			**			**

CHARTSIL For Powder Coatings	EPOXY	POLYESTER MELAMINE	HYBRID	PU	POLYESTER TGIC	POLYESTER PRIMID
CHARTSIL B-515.1/2 H	★		★	★		
CHARTSIL C-523.2 H		★			★	★

SYNTHRON

www.synthron.com

6, rue Barbès – CS80050 – 92532 LEVALLOIS-PARIS cedex (France)
 Phone: + 33 (0) 141341400 Fax + 33 (0) 141341416 e-mail: postmaster@protex-international.com