

Chartek Fireproofing Systems

Qualified Primer List

Revision Date: 18th January 2010

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (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 to do so, we do not accept any liability at all for the performance of the product or for (subject to law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local International Paint representative that this data sheet is current prior to using the product.

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****Important Notice – Please Read****

The following list of primers and primer systems are qualified for use with Chartek fireproofing systems are based on lap shear test results (in the case of inorganic zinc silicate primers) and data relating to the composition of the primer materials provided by their manufacturers (in the case of epoxy and zinc rich epoxy primers.)

International Protective Coatings **does not accept responsibility** in connection with primers and primer systems manufactured by third parties. Whilst we endeavour to ensure that manufacturers update us with any changes made to the primers listed, International Protective Coatings does not have control over consistency or quality of products manufactured by other parties.

Additionally, International Protective Coatings has no control over the application or condition of these materials at time of overcoating with Chartek fireproofing systems. It is therefore **strongly recommended** that the user, be they the fabrication company, paint applicator or Chartek qualified applicator, conduct whatever evaluation is necessary to ensure that the primer is in sound condition at time of overcoating with Chartek fireproofing systems.

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The maximum allowable primer system DFTs are summarised in the following table:

Primer System	Dry Film Thickness			
	Normal Areas		Overlap Areas	
Epoxy Primer: (Including Zinc Phosphate Epoxy) *	50 to 75 microns	(2 to 3 mils)	100 microns	(4 mils)
Epoxy Zinc Primer: (Epoxy and Inorganic Silicate)	50 to 75 microns	(2 to 3 mils)	100 microns	(4 mils)
Epoxy Zinc Primer plus Tie Coat (Epoxy and Inorganic Silicate)	75 to 110 microns	(3 to 4.4 mils)	125 microns	(5 mils)

For further information regarding primer thickness, please consult the Chartek Application Manual.

* Intergard 269 DFT should be 30-40µm.

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Introduction

This document contains all the qualified primer systems that can be used under Chartek Fireproofing Systems.

This document does not include Arc Sprayed Aluminium – consult International Protective Coatings for specific advice.

Table of Contents

International Protective Coatings Recommended Primer Systems	5
Competitor Primer Systems:	
Zinc Phosphate Epoxy Primer Systems	7
Epoxy Primer Systems	8
Zinc Rich Epoxy Primer Systems	10
Zinc Rich Epoxy + Epoxy Tie Coat Primer Systems	11
Inorganic Zinc Silicate + Epoxy Tie Coat Primer Systems	12
Speciality Primer Systems – Wet Blast	12
Inorganic Zinc Silicate Primer Systems	13
Speciality Primer Systems – Solvent Free (100% Solids)	13

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International Protective Coatings Recommended Primer Systems

Primer System Type	Primer System Name	Country/Region of Manufacture	Comments
Epoxy Zinc Phosphate	Intergard 251	Worldwide Availability	
Epoxy Zinc Phosphate	Intercure 200	Europe/USA	
Epoxy Zinc Phosphate	Intercure 200HS	Europe/USA	
Epoxy Zinc Phosphate	Intergard 291	Europe/USA/Middle East	
Epoxy Zinc Phosphate	Intergard 242	Europe/Middle East	
Epoxy Zinc Phosphate	Intergard 405	Europe/USA	
Epoxy	Intergard 269 *	Worldwide Availability	
Epoxy	Intergard 400	Europe/USA	
Epoxy	Interseal 1100	USA	
Epoxy	Intershield 300	Worldwide Availability	
Epoxy	Intergard 214	Europe	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 52/Intergard 269	Worldwide Availability	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 52HS/Intergard 405	Europe/USA	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 52HS/Intergard 269	Worldwide Availability	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 315/Intergard 269	Worldwide Availability	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 315/Intergard 405	Europe/USA	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 72/Intergard 269	Europe/USA	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 72/Intergard 405	Europe/USA	
Epoxy Zinc/Epoxy Tie Coat	Interzinc 52AU/Intergard 251	Asia	

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International Protective Coatings Recommended Primer Systems continued...

Primer System Type	Primer System Name	Country/Region of Manufacture	Comments
Epoxy Zinc	Interzinc 52	Worldwide Availability	
Epoxy Zinc	Interzinc 52HS	Worldwide Availability	
Epoxy Zinc	Interzinc 72	Europe/Asia	
Epoxy Zinc	Interzinc 109	Europe/USA	
Epoxy Zinc	Interzinc 280 (Water Based)	Worldwide Availability	See Qualification Note 1 – Appendix 1
Epoxy Zinc	Interzinc 315	Worldwide Availability	
Inorganic Zinc/Epoxy Tie Coat	Interzinc 22/Intergard 269	USA	
Inorganic Zinc/Epoxy Tie Coat	Interplate 937/Intergard 269 (<i>Shop Primer System</i>)	Europe/USA	
Inorganic Zinc/Epoxy Tie Coat	Interplate 837/Intergard 269 (<i>Shop Primer System</i>)	Korea	
Wet Blast Systems	Intercure 200	Worldwide Availability	
Wet Blast Systems	Intercure 200HS	Europe/USA	
Wet Blast Systems	Intercure 202	Europe/USA	
Wet Blast Systems	Interseal 414	Europe/USA	
Wet Blast Systems	Interseal 670HS	Worldwide Availability	
Inorganic Zinc	Interplate 937 (<i>Shop Primer</i>)	Europe/USA	
Inorganic Zinc	Interplate 837 (<i>Shop Primer</i>)	Korea	
* Intergard 269 DFT should be 30-40µm.			

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Approved Competitor Primer Schemes

Zinc Phosphate Epoxy Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Amercoat 71 ZP40	PPG Protective & Marine Coatings	UK & Netherlands		23/01/2011
Amercoat 182 ZP HB	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Ching EMD 186	Chemische Industrie Erlangen	UK	Subject to re-approval prior to use	02/05/2006
Hempadur 15300	Hempel Coatings	UK/USA	Subject to re-approval prior to use	22/06/2009
Penguard Special	Jotun	UK		27/06/2010
Epigrip L425 HS	Leigh's Paints	UK		27/06/2010
Protega EMP600	Protega Coatings Ltd	UK		17/01/2014
Remoplast Kunststoffgrund	Rembrandtin	Germany		13/12/2012
SikaCor EG Phosphate	Corrotherm	Germany		10/07/2012
Sigmacover 256	Sigma	Belgium	Subject to re-approval prior to use	31/08/2009
Temacoat SPA MIO	Tikkurila	Finland		15/08/2010

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Epoxy Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Amercoat 71	PPG Protective & Marine Coatings	UK/Netherlands		27/06/2010
Amerlock 400 Aluminium	PPG Protective & Marine Coatings	Korea		23/10/2012
Carboline E19	Carboline	Norway		02/03/2012
Carboguard 888	Carboline	Europe / Korea	Subject to re-approval prior to use	04/08/2008
Carboline 15LT	Carboline	Europe	Subject to re-approval prior to use	11/07/2009
Carboguard (aka Carboline) 890	Carboline	Europe		27/03/2010
Carboguard 893 RCP(SP)	Carboline	Europe		27/03/2010
Hempadur 15570	Hempel Coatings	UK/Norway		26/02/2012
Hempadur 45080	Hempel Coatings	Worldwide except USA	Subject to re-approval prior to use	24/05/2007
Hempadur 45083	Hempel Coatings	Worldwide except USA	Subject to re-approval prior to use	24/05/2007
Muki EPS	Jotun	Worldwide		18/03/2012
Vigor EP 201 C	Freitag (SigmaKalon)	Europe	Subject to re-approval prior to use	27/09/2006
Hempadur 45141 / 45143	Hempel Coatings	UAE/Canada/Denmark/ Portugal/France/Singapore		26/02/2012
Hempadur Mastic 45880 / 45881	Hempel Coatings	Saudi/UAE/Canada/Denmark/ Portugal/France/Singapore/USA		26/02/2012
Penguard Primer	Jotun	Norway/Australia		27/06/2010

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Epoxy Primer Systems continued...

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Metaguard L574	Leigh's Paints	UK		27/06/2010
Epigrip M900	Leigh's Paints	UK		27/06/2010
Sigmacover CM HS 7712	Sigma	UK/Netherlands	Subject to re-approval prior to use	19/07/2006
Sigmarite Sealer 7420	Sigma	UK/Netherlands	Subject to re-approval prior to use	19/07/2006
Sigma prime 700	Sigma	Korea		23/04/2013
Sigma prime 7416	Sigma	Belgium	Subject to re-approval prior to use	31/08/2009
Icosit EG1 rapid	Sika	Germany	Subject to re-approval prior to use	25/05/2009
Temacoat SPA Primer	Tikkurila	Finland		15/08/2010
Temacoat GPL-S MIO	Tikkurila	Finland		15/08/2010
Temacoat GPL-S Primer	Tikkurila	Finland		15/08/2010

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Zinc Rich Epoxy Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Amercoat 68	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Amercoat 68G	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Carboline (aka Carbozinc) 858 (P)	Carboline	Norway		20/03/2012
Carboline 859	Carboline	Europe / Korea		04/08/2012
Barrier	Jotun	Norway/Australia		20/06/2012
Barrier 77	Jotun	Norway	Subject to re-approval prior to use	05/11/2008
Epigrip J984	Leigh's Paints	UK		27/06/2010
Hempadur Zinc 15350	Hempel Coatings	Saudi/UAE/Canada/Denmark/ Portugal/France		26/02/2012
Hempadur Zinc 15360	Hempel Coatings	Saudi/UAE/Canada/Denmark/ Portugal/France/Singapore/USA		26/02/2012
Hempadur Zinc 17360	Hempel Coatings	Saudi/UAE/Canada/Denmark/ Portugal/France/Singapore/USA		26/02/2012
Hempadur Zinc 17380	Hempel Coatings	Denmark		27/09/2013
Hempadur Zinc 18560	Hempels Coatings	Denmark		26/01/2011
HI-Nano Zn Primer	Hummervoll Coatings AS	Norway		03/06/2013
Sigmazinc 102	SigmaKalon	Belgium/France/China/USA		15/08/2010
Sigmazinc 102 HS	Sigmakalon	Worldwide	Subject to re-approval prior to use	24/05/2007
Sigmarite 7701	Sigma	Belgium	Subject to re-approval prior to use	31/08/2009
Temazinc 88	Tikkurila	Finland		15/08/2010

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Zinc Rich Epoxy + Epoxy Tie Coat Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Amercoat 68/Amercoat 71	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Amercoat 68G/Amercoat 71	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Carboline 858/Carboline E19	Carboline	Norway		02/03/2012
Carbozinc 859/Carboguard 890	Carboline	Norway		27/03/2010
Barrier/Penguard Tiecoat 100	Jotun	Norway/Australia		27/06/2010
Epigrip J984/Epigrip M330	Leigh's	UK		27/06/2010
Hempadur Zinc 17360 / Hempadur 15570	Hempel Coatings	Denmark		27/09/2013
Hempadur Zinc 17380/Hempadur 15570	Hempel Coatings	Denmark		27/09/2013
SigmaZinc 102/Sigmacover 522	SigmaKalon	Belgium/France/China/USA		15/08/2010
Temazinc 88/Temacoat sealer	Tikkurila	Finland		15/08/2010

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Inorganic Zinc Silicate + Epoxy Tie Coat Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Dimetcote DSP 1M/Amercoat 71 (Shop Primer System)	PPG Protective & Marine Coatings	Netherlands	Subject to re-approval prior to use	09/04/2007
Dimetcote 19/Amercoat 71	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Galvosil 15700/Hempadur 15570 (diluted 50:50 with 08700 thinner)	Hempel Coatings	Worldwide		27/09/2013
Muki Z 2001FW/Penguard 100 (Shop Primer System)	Jotun	Norway	Subject to re-approval prior to use	20/06/2007
Resist GTI/Penguard Tiecoat 100	Jotun	Norway		27/06/2010
Sigmazinc 158/Sigmacover 435	Sigma Coatings	Dammam		15/08/2010
Sigmazinc 158/Sigmacover 522	Sigma Coatings	UK		15/08/2010

Speciality Primer Systems – Wet Blast

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Carboline 858	Carboline	Norway		03/01/2012
Hempadur 15570	Hempel Coatings	Worldwide		27/09/2013
Jotomastic 87 (+2.4% weight WBA)	Jotun	Norway	Subject to re-approval prior to use	01/11/2006
Jotun MT Primer	Jotun	Norway	Subject to re-approval prior to use	01/11/2006

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Inorganic Zinc Silicate Primer Systems

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
Dimetcote 19	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Amercoat 160HF	PPG Protective & Marine Coatings	Netherlands		23/01/2011
Dimetcote DSP 1M (<i>Shop Primer</i>)	PPG Protective & Marine Coatings	UK		23/01/2011
Muki Z 2001FW (<i>Shop Primer</i>)	Jotun	Norway	Subject to re-approval prior to use	20/06/2007
Sigmazinc 158	Sigma Coatings	UK, Dammam		15/08/2010

Speciality Primer Systems – Solvent Free (100% Solids)

Primer System Name	Primer Manufacturer	Country/Region of Manufacture	Comments	Expiry Date
AMP Multi Functional Coating (<i>Tested to ASTM D5894 & ASTM E84</i>)	Advanced Nano Products	USA	Consult International regarding dry film thickness permitted. Subject to re-approval prior to use	30/3/2008

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****Appendix 1 – Qualification Notes****

Note 1 – When utilising water based primers Intergard 270 or Interzinc 280 for use under Chartek Fireproofing, it is very important the conditions of cure are adequate enough to ensure that satisfactory film integrity is achieved.

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