

STEELCOATINGS

APPROVED PRIMERS AND TOPCOATS

Approved primers and topcoats for all Fireshield® steel intumescent coating systems

Fireshield® intumescent coating systems for structural steel are compatible with a specified range of primers and topcoats, enabling fully warranted and building code-compliant assemblies while providing flexibility in product selection. All Fireshield® products undergo comprehensive testing and certification prior to approval. Ensure that the appropriate approved primer or topcoat is used with the corresponding Fireshield® intumescent steel system listed below.

FIRESHIELD920KS

2 pack epoxy intumescent for interior and exterior use in C1 to C5H corrosivity zones.

APPROVED PRIMERS - FIRESHIELD® 920KS

Product	ISO Corrosivity Zones	TDS
Resene Armourcote 220*	C1 to C4 Interior + Exterior use	RA34
Resene Armourzinc 120*	C1 to C4 Interior + Exterior use	RA22
Carboline Carbozinc 859 EZ2	C1-C2 Interior use	Q8707
Carboline Carboguard 635	C1-C4 Interior + Exterior use	Q1020
International Intergard 251	C1-C4 Interior + Exterior use	Ref:2113
International Interzinc 52**	C1-C5H Interior + Exterior use	Ref: 2561
International Interzinc 22**	C1-C5H Interior + Exterior use	Ref: 4518
Dulux Zincanode 402	C1-C5H Interior + Exterior use	PC-122
Dulux Durepon FRX ZP	C1-C5H Interior + Exterior use	410-82619 / 976-82623

- Fireshield® 920KS can be applied directly to an SA2.5 blasted steel surface in C1 to C4 interior and exterior zones, see the Fireshield® 920KS Technical Data Sheet and Application Guide for more information.
- Certified generic 2 pack epoxy primer approval available for interior use only via ETAG approval defined in EAD 350402-00-1106:2017, contact Fireshield® for more details.
- All primer dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- * Indicates primers for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties. **Product added in this revision.

APPROVED TOP COATS - FIRESHIELD® 920KS

Product	ISO Corrosivity Zones	TDS
Resene Uracryl 402*	C1 to C4 Interior + Exterior use	RA55
Resene Uracryl 403*	C1 to C4 Interior + Exterior use	RA56
Resene Imperite 503*	C1 to C4 Interior + Exterior use	RA81
Dulux Luxathane HPX	C1-C5H Interior + Exterior use	PC403
Dulux Luxathane SPX	C1-C5H Interior + Exterior use	PC404
Fireshield® Hensotop 2K-PU**	C1-C5H Interior + Exterior use	TD-FSHT2K-PU

- All topcoat dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- Generic approval not possible for top coat use.
- * Indicates top coats for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.
- **Fireshield® top coats available on special order only.

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FIRESHIELDSTEEL 1001

Single pack waterborne intumescent for interior use in C1 to C2 corrosivity zones.

APPROVED PRIMERS - FIRESHIELD® STEEL 1001

Product	ISO Corrosivity Zones	TDS
Resene Armourcote 220*	C1-C2 Interior use	RA34
Resene Armourcote 221*	C1-C2 Interior use	RA36
United Paints Fast Cure Primer*	C1-C2 Interior use	FAST CURE
United Paints Tech Primer*	C1-C2 Interior use	TECH PRIMER
United Paints Uniprime Primer*	C1-C2 Interior use	UNIPRIME
United Paints Uniguard Acrylic Modified Primer*	C1-C2 Interior use	UNIGUARD
International Intercure 200	C1-C2 Interior use	2086
International Intergard 251	C1-C2 Interior use	2113
International Interseal 1052	C1-C2 Interior use	3890
International Interzinc 52	C1-C2 Interior use	2561
Jotun Conseal T/U	C1-C2 Interior use	Conseal Touch-Up
Jotun Ferrotex Primer	C1-C2 Interior use	Fenotex
Jotun Vinyguard Silvergrey 88	C1-C2 Interior use	Silvergrey 88
Valspar/Wattyl Epinamel PR250	C1-C2 Interior use	P30.01
Protective Paints AE12	C1-C2 Interior use	875-AE12
Carboline Altex Altra Zinc 605	C1-C2 Interior use	605
Carboline Altex Red/Grey Pre-Fab	C1-C2 Interior use	Pre-Fab Primer
Carboline Carboguard 504	C1-C2 Interior use	Q504
Carboline Carboguard 635	C1-C2 Interior use	1020
Carboline Carboguard 690	C1-C2 Interior use	1027
Carboline Carbozinc 858	C1-C2 Interior use	8454
Carboline Carbozinc 859 EZ2	C1-C2 Interior use	Q8707
Dulux Luxaprime ZP	C1-C2 Interior use	PC-612
Duration P23 with STD Hardener	C1-C2 Interior use	PC-850
Durebild STE with STD Hardener	C1-C2 Interior use	PC-237
Duremax GPE ZP with STD/QT Hardener	C1-C2 Interior use	PC-255
Durepon EZP with STD Hardener	C1-C2 Interior use	PC-209
Durepon FRX with STD Hardener	C1-C2 Interior use	PC-204
Zincanode 402 with STD Hardener	C1-C2 Interior use	PC-122

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FIRESHIELDSTEEL 1001

Single pack waterborne intumescent for interior use in C1 to C2 corrosivity zones.

APPROVED PRIMERS - STEEL 1001

- Fireshield® Steel 1001 is for interior C1-C2 use only and must be applied to primed and SA2.5 blasted steel surface, see the Fireshield® Steel 1001 Technical Data Sheet and Application Guide for more information.
- Certified generic primer approval available for 2 pack epoxy, single pack alkyd and acrylic primers via ETAG approval defined in EAD 350402-00-1106:2017, contact Fireshield® for more details.
- All primer dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- * Indicates primers for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.

APPROVED TOP COATS - FIRESHIELD® STEEL 1001

Product	ISO Corrosivity Zones	TDS
Resene Uracryl 802*	C1 to C2 Interior use.	RA55W
Resene Spacecote Low Sheen*	C1 to C2 Interior use.	D311
Resene Lustacryl Semi-Gloss*	C1 to C2 Interior use.	D310
Resene Enamacryl Gloss Waterborne*	C1 to C2 Interior use.	D309
Fireshield® WeatherSeal (Construction sealer)	6 months construction period.	TD-FSWSNZ
International Interthane 990	C1 to C2 Interior use.	2484
United Paints Unichem Fast Drying Enamel*	C1 to C2 Interior use.	UNICHEM
United Paints Unilux Enamel*	C1 to C2 Interior use.	UNILUX
Jotun Hard Top H/B Futura AS	C1 to C2 Interior use.	Hardtop HB
Dulux Aquanamel Semi-Gloss	C1 to C2 Interior use.	NZDD1028
Dulux Super Enamel Semi-Gloss	C1 to C2 Interior use.	NZDD0780
Dulux Wash n Wear 101 Low Sheen	C1 to C2 Interior use.	NZDD1613
Dulux X10 Weathershield	C1 to C2 Interior use.	NZDD0789
Dulux Duration T74 with STD Hardener	C1 to C2 Interior use.	PC 860
Dulux Duration T74 with STD Hardener Satin	C1 to C2 Interior use.	PC 860
Dulux Luxathane HPX with STD Hardener	C1 to C2 Interior use.	PC 403
Dulux Luxathane MPX with STD Hardener	C1 to C2 Interior use.	PC 400
Dulux Luxathane SPX with STD Hardener	C1 to C2 Interior use.	PC 404
Taubmans Ultra Proof Acrylic Enamel	C1 to C2 Interior use.	TA048
Taubmans Living Proof Interior	C1 to C2 Interior use.	TA036

- Top coat must be applied to Fireshield® Steel 1001 for C2 interior use.
- All topcoat dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- Generic approval not possible for top coat use.
- * Indicates top coats for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.

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FIRESHIELDSQ476

Single pack solvent intumescent for interior use in C1 to C3 corrosivity zones.

APPROVED PRIMERS - FIRESHIELD® SQ476

Product	ISO Corrosivity Zones	TDS
United Paints Uniprime Tech Primer*	C1-C3 Interior use	Tech Primer
United Paints Uniprime Fastcure Primer*	C1-C3 Interior use	Fastcure Primer
United Paints Uniguard Primer*	C1-C3 Interior use	PC-122
Dulux Durebild STE-STD	C1-C3 Interior use	PC-237
Dulux Duremax GPE ZP-QT	C1-C3 Interior use	PC-215
Dulux Duremax GPE ZP-STD	C1-C3 Interior use	PC-215
Dulux Durepon FRX-STD	C1-C3 Interior use	PC-204
International Intergard 251	C1-C3 Interior use	2113
International Interzinc 52	C1-C3 Interior use	2561
International Intercure 200HS	C1-C3 Interior use	2087
Carboline Carbozinc 859 EZ2	C1-C3 Interior use	Q8707

- Fireshield® SQ476 is for interior C1-C3 use only and must be applied to primed and SA2.5 blasted steel surface, see the Fireshield® SQ476 Technical Data Sheet and Application Guide for more information.
- Certified generic primer approval not available for Fireshield® SQ476.
- All primer dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- * Indicates primers for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.

APPROVED TOP COATS - FIRESHIELD® SQ476

Product	ISO Corrosivity Zones	TDS
Fireshield® WeatherSeal	6 months construction period.	TD-FSWSNZ
United Paints Unilux Enamel*	C1-C3 Interior use	UNILUX
Dulux Luxathane HPX	C1-C3 Interior use	PC-403
Dulux Luxathane MPX	C1-C3 Interior use	PC-404
Dulux Luxathane SPX	C1-C3 Interior use	PC-400
Dulux Duration T74	C1-C3 Interior use	PC-860
International Interthane 990	C1-C3 Interior use	Ref:508

- Top coat must be applied to Fireshield® SQ476 for C2 and C3 interior use.
- All topcoat dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- Generic approval not possible for top coat use.
- * Indicates top coats for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.

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FIRESHIELD471KS

Single pack waterborne intumescent for interior use in C1 to C3 corrosivity zones.

APPROVED PRIMERS - FIRESHIELD® 471KS

Product	ISO Corrosivity Zones	TDS
Resene Armourcote 220*	C1-C3 Interior use	RA34
Resene Armourcote 221*	C1-C3 Interior use	RA36
United Paints Fast Cure Primer*	C1-C3 Interior use	Fast Cure
United Paints Tech Primer*	C1-C3 Interior use	Tech Primer
United Paints Uniprime Primer*	C1-C3 Interior use	Uniprime
United Paints Uniguard Acrylic Modified Primer*	C1-C3 Interior use	PC-122

- Fireshield® 471KS is for interior C1-C3 use only and must be applied to primed and SA2.5 blasted steel surface, see the Fireshield® 471KS Technical Data Sheet and Application Guide for more information.
- Certified generic primer approval available for 2 pack epoxy, single pack alkyd and acrylic primers via ETAG approval defined in EAD 350402-00-1106:2017, contact Fireshield® for more details.
- All primer dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- * Indicates primers for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.

APPROVED TOP COATS - FIRESHIELD® 471KS

Product	ISO Corrosivity Zones	TDS
Fireshield® WeatherSeal	6 months construction period.	TD-FSWSNZ
Fireshield® Hensotop 2K-PU**	C1-C3 Interior use	TD-FSHT2K-PU

- Top coat must be applied to Fireshield® 471KS for C2 and C3 interior use.
- All topcoat dry film thicknesses as per the Manufacturer TDS for minimum and maximum values, contact Fireshield® if these are exceeded.
- * Indicates top coats for use in full Fireshield® Manufacturers supplied systems carrying complete Fireshield® system warranties.
- **Fireshield® top coats available on special order only.
- Fireshield® 471KS is a recently released product, additional top coats are currently being tested and will be released in due course.