



VX Savior FireProofing EP920 is a two-pack (2K) solvent-free fire protection coating for protecting indoor and outdoor steel sections and steel structures. VX Savior FireProofing EP920 impresses with its fire resistance rates up to 30/60/90/120 minutes, its working properties such as its optimal pot life, its thin layer thicknesses, its max achievable corrosivity category up to \leq C5 very high in the system.

CLASSIFICATION

- Certifire no. CF 5994
- Max corrosion protection classification up to \leq C5 very high

PACKAGING

- Packaging for single-component airless machines: 15 kg of base + 6 kg of hardener
- Packaging for two-pack airless machines: 20 kg of base + 20 kg of hardener
- Packaging for two-pack airless machines: 200 kg of base + 200 kg of hardener
- Packaging in small packaging for brushed repair work: 2.5 kg of base + 1 kg of hardener
- Colour: Approx. Telegrey, matt
- Cleaning with HENSOTHERM® V 55 available as 20 litre or 200 litre container.

COLOUR

- Telegrey 1, matt

ENVIRONMENT

- 100% solvent free
- Emissions class A+
- Free of halogens, free of alkylphenol and benzyl alcohol
- Tested according to the criteria issued by the Committee for Health-related Evaluation of Building Products for VOC emissions from building products suitable for indoor use.

APPLICATION

- According to EAD 350402-00-1106 use categories X/Y/Z1/Z2, suitable for indoors and outdoors.
- According to EN 10025-1 for construction steels (designation S, but not S185), not suitable for machine steel (designation E)

Performance range of the two-pack epoxy fire-protection system VX Fireflex R120 EP

- Indoor and outdoor applications
- One system for R 30/60/90/120 workshop applications
- Thin layer thicknesses, no fabric insert necessary
- Application does not require change of material from R 30/60/90/120
- Max corrosivity category up to \leq C5 very high in the system (corrosion/-fire protection)
- Optimised pot life and drying times for ease of application, also with suitable single-component airless sprayers
- Cleaning only during work breaks, otherwise no intermediate cleaning necessary

COATING STRUCTURE

Set-up on blasted steel sections interior		Interior			
		C2 High C3 Low C3 Middle	C2 Very High C3 High C4 Middle	C4 Very High C4 High C5 High	≤ C5 very high R 60 / R 90
Preparatory blasting for surface preparation grade 2.5		●	●	●	●
Corrosion protection	2K EP Primer (Qualified by Vexcolt)	○	● (60 μm)	● (80 μm)	● (160μm)
Fire protection coating	VX Savior FireProofing EP920	●	●	●	●
Top coats	HENSOTOP 2K PU (70 μm)	○	○	●	●
	HENSOTOP SB ¹	○	○ (On Request)	—	—

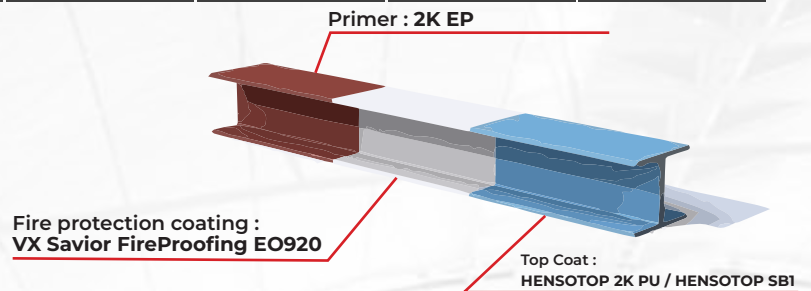
DFT : Dry Film Thickness

● : mandatory use!

○ : dry indoors optional (when no adverse ambient effects)

— : not possible

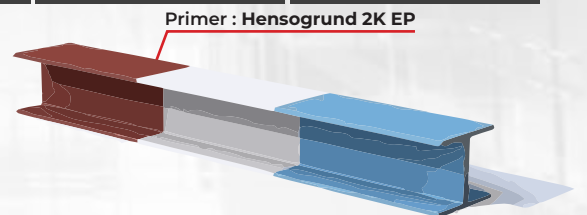
¹ : Only for dry indoor applications (cat. types Z2, Z1).
Weathering for a period of max. 8 weeks



Set-up on blasted steel sections Interior		Interior		
		C2 Very High C3 High C4 Middle	C4 Very High C4 High C5 High	≤ C5 very high R 60 / R 90
Preparatory blasting for surface preparation grade 2.5		●	●	●
Corrosion protection	2K EP Primer (Qualified by Vexcolt)	● (60 μm)	● (80 μm)	● (160μm)
Fire protection coating	VX Savior FireProofing EP920	●	●	●
Top coats	HENSOTOP 2K PU (70 μm)	●	●	●

DFT : Dry Film Thickness

● : mandatory use!



Set-up on blasted steel sections		Interior		Exterior		
		C2 Very High C3 High C4 Middle	C4 Very High C4 High C5 High	C2 Very High C3 High C4 Middle	C4 very high C4 high C5 high	≤ C5 very high R 60 / R 90
Preparatory blasting for surface preparation grade 2.5		●*	●	●	●	●
Corrosion protection	2K EP Primer (Qualified by Vexcolt)	● (60 μm)	● (80 μm)	● (60 μm)	● (80 μm)	● (160 μm)
Fire protection coating	VX Savior FireProofing EP920	●	●	●	●	●
Top coats	HENSOTOP 2K PU (70 μm)	○	●	●	●	●
	HENSOTOP SB ¹	○	—	—	—	—

DFT : Dry Film Thickness

● : mandatory use!

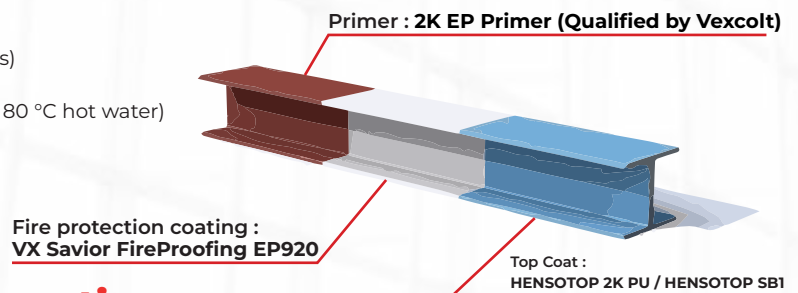
○ : dry indoors optional (when no adverse ambient effects)

— : not possible

* : optional preparation with high-pressure cleaner (min. 80 °C hot water)

¹ : Only for dry indoor applications (cat. types Z2, Z1).

Weathering for a period of max. 8 weeks.



Notes on cladding and connection

The steel components treated with this reactive fire protection coating may not be cladded: this may prevent the intumescent from foaming.

The sites connecting to other components must afford adequate protection against the effects of fire on the treated component, or the connected components must suppress the heat transferred to the treated component.

APPLICATION INSTRUCTION

NOTE : For every application of reactive fire protection coating, the applicator must inform the customer in writing that the fire protection effects are ensured only when the reactive fire protection coating is maintained in a proper condition at all times, and he must specify the coating materials that may be used to repair and renew the reactive fire protection coating.

- The coating system may be processed by trained professionals and certified companies only!
- The coating materials Component A (base) and Component B (hardener) must present a homogeneous mixture at all times during the application.
- When each coating substance is being applied, the material, substrate, and air temperature may not fall below + 15 °C nor the relative air humidity exceed 80 %.
- During the application, the surface temperature of the coated substrates must be at least + 3 °C above the dew point of the ambient air.
- The treated substrate temperature may not exceed + 35 °C.
- For warranty purposes, the ambient conditions must be documented in compliance with EN ISO 12944-7 during the application.

Preparing the steel sections

Uncoated sections must be blasted according to surface preparation level Sa 2.5.

PRIMING

If corrosion protection requirements demand an additional primer coating for the entire system, this must be applied with a 2K EP Primer (Qualified by Vexcolt) in advance. The same applies to galvanised surfaces with HENSOGROUND 2K. The galvanised components must have degassed completely prior to coating with HENSOGROUND 2K (blistering!) and bond damaging substances must have been removed without trace by means of sweep blasting. Please consult the respective Technical Data Sheets. Joints, contacting surfaces, drill holes, and areas around bolted connections must be masked off with adhesive tape or magnetic plates in advance. From experience, the adhesive tape must be removed about 1 – 2 hours after VX Savior FireProofing EP920 has been applied.

FIRE PROTECTION COATING

Further details on how to apply the intumescent VX Savior FireProofing EP920 can be taken from the application guidelines.

TOP COAT

Top coat for outdoor applications to prevent UV effects, sporing, and chalking. The top coat is not resistant to physical effects and is used for indoor applications only for its colour effects.

The top coat HENSOTOP 2K PU, available in RAL or DB colour shades, may not be applied until complete, thorough drying of the last VX Savior FireProofing EP920 coating, i.e. no sooner than 24 hours or later than 7 days, and after a successful finger nail test.

No more than 7 days may pass between the last application of VX Savior FireProofing EP920 and the application of top coat. Otherwise, the surfaces must be roughened carefully without exception [grain size approx P 60 – 80].

BENEFIT

- A two-pack system for fire resistance classes R 30/60/90/120: Faster application because no change of system necessary. Max corrosivity categories C5 High are possible in the system. The optimally adjusted (longer) pot life also allows working with suitable 1-component systems.
- HENSOTHERM® 2K systems are applied in the workshop and are already optimally protected against mechanical stress and the weather after 24 hours' drying time. This means that steel elements that have already been coated can be stored outdoors and/or transported directly to the site of use and installed there so as to save time.
- 100 % solvent free. Free of halogens, alkyl phenol and benzyl alcohol. Ideal for DGNB sustainable building.

Excerpt from our two-pack references	Area	Fire Resistance	Year
Zoo, Neuwied DE	1400 m ²	R 30	2016
Berlin Tegel Airport DE	1540 m ²	R 30	2017
Triple purpose sports hall, Passau DE	2970 m ²	R 30	2017
New school, Laufen CH	3850 m ²	R 30	2018
Lidl DK	8500 m ²	R 15	2018
City centre, Stockholm SE	15000 m ²	R 60	2018
Recreational baths, Würzburg DE	2400 m ²	R 30	2018
Multistorey car park, Husum DE	5800 m ²	R 30	2019
Toyota Lexus, Cologne DE	1500 m ²	R 30	2019
Siemens, Marburg DE	3500 m ²	R 30	2020
LVR MiQua museum, Cologne DE	15000 m ²	R 30	2020/21
Multistorey car park, Neuenburg DE	4000 m ²	R 30	2021

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