

Product Data Sheet

Application: HVAC

ISOVER U PROTECT ACCESSORIES



The Isover U Protect Accessories range, consisting of intumescent paint, glue, screws and tape, is integral to ensuring the correct installation of the Isover U Protect system.

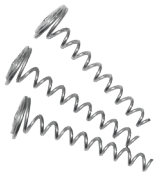
The Isover U Protect system has been tested and assessed in accordance to EN 1366-1 and EN 1366-8 and assessed against the criteria in BS 476: Part 24. It offers up to 2 hours passive fire protection in HVAC ventilation and smoke extract ducts, as well as up to 1 hour passive fire protection for kitchen ducts.¹

The fire performance of the system cannot be substantiated if alternative system components are used.



Protect BSF Intumescent Paint

Used for sealing all penetrations - solvent free and pH neutral, white aqueous intumescent dispersion.



Fire Protect Screws

Spiral shaped screws made of galvanised steel to fix U Protect Slabs on rectangular ductwork



Protect BSK Adhesive

Non-combustible, inorganic adhesive based on alkaline sodium silicate for gluing the insulation to the wall, floor or ceiling. It is only required at penetration details rather than at every insulation joint.²



Protect Black Tape

Self-adhesive black aluminium tape for covering the insulation slab edges for rectangular ducts.

¹ Fire resistance is dependent on the application, thicknesses used and the method of installation. Please contact technicalsupport@saint-gobain.com for details.

² For ease of installation, the adhesive is only required at penetration details rather than at every insulation joint.

Key Considerations

When using the accessories for the Isover U Protect system, you need to satisfy yourself that the products meet all relevant national Building Regulations and guidance as well as local, national and other applicable standards relevant for your construction or application, including requirements in relation to fire.

Please also refer to the following product documents:

- Protect BSF Intumescent Paint - Safety Data Sheet available at isover.co.uk/healthandsafety
- Protect BSK Adhesive - Safe Use Instruction Sheet available at isover.co.uk/healthandsafety

Product Specification

Protect Black Tape

SKU number	Material Description	Width (mm)	Length (m)	Rolls/pack	Min. order quantity
5200849112	Protect Black Tape	90	100	12 rolls per box	1 box
5200928646	Protect Black Tape	90	50	12 rolls per box	1 box

Protect BSK Adhesive

SKU number	Material Description	Delivery unit	Items per pallet	Min. order quantity
5200859461	Protect BSK Adhesive (8kg bucket)	8kg bucket	60 buckets per pallet	1 bucket
5200859462	Protect BSK Adhesive (310ml cartridges x 20)	Box of 20 cartridges	60 boxes per pallet	1 box

Protect BSF Intumescent Paint

SKU number	Material Description	Delivery unit	Items per pallet	Min. order quantity
5200428878	Protect BSF Intumescent Paint 15kg bucket	15kg bucket	40 buckets per pallet	1 bucket
5200428879	Protect BSF Intumescent Paint (310ml cartridges x 12)	Box of 12 cartridges	52 boxes per pallet	1 box

Fire Protect Screws

SKU number	Material Description	Length (mm)	Unit per box	Items per pallet	Min. order quantity
5200428876	Fire Protect Screws	140	500	12 boxes per pallet	1 box
5200428877	Fire Protect Screws	200	200	24 boxes per pallet	1 box

Product Details

	Protect Black Tape	Protect BSK Adhesive	Protect BSF Intumescent Paint	Fire Protect Screws
Description	Black aluminium tape with inorganic glue.	Alkaline sodium silicate.	Thixotropic paint in a water-based dispersion for specialist fire applications.	Spiral galvanised steel screws in 140 and 200mm lengths.
Applications	For covering seams on insulation slab edges on HVAC rectangular ducts.	The Protect BSK Adhesive is used to glue the insulation to the wall, floor or ceiling. It is only required at penetration details rather than at every insulation joint.	Sealing all penetrations.	Fasteners for U Protect Slabs on rectangular ductwork.
Processing temperature	Between 5°C and 30°C for installation. From -40°C to +130°C after installation.	Between 8°C and 30°C.	Between 5°C and 30°C.	Not applicable
Instructions for use	Surface must be dry and free of dust and grease. The use of a spatula is strongly recommended to apply pressure along the full length of the tape, especially at the end points.	Before use, the material must be stirred well. Application by brush, roller or spatula. The surface should be clean, dry and free of grease. Hardens after approximately 12 hours under normal conditions (20°C, 50%RH). Possible variations depending on site conditions.	Before use, the material must be stirred well. Can be diluted with up to 10% clean water. Application by brush, roller or spatula. The surface should be clean, dry and free of grease. Touch dry: after 4 hours under normal conditions, completely dry after 24 to 48 hours.	Screw length should be 2 times the insulation thickness when installing on U Protect Slabs on joint corners. For guidance on the number of screws required and fixation, please contact technicalsupport@saint-gobain.com .
Chemical behaviour	Free of volatile organic compounds (VOCs).	Inorganic adhesive. alkaline solution (pH=11.9). Free of Volatile Organic Compounds (VOCs).	Halogen, solvent-free and pH-neutral water-based dispersion.	Galvanised steel.
Other characteristics	Adhesion to steel: 10N/cm. Tensile strength: 13N/cm. Elongation at break: 3%.			Diameter: Wire: 1.6mm & Head: 20mm.
Storage and transport	Between 15°C and 30°C and below 65% RH. Recommended storage time is 18 months.	Tightly closed in a dry place at temperatures of between 15°C and 25°C without direct sunlight. The unopened original container can be stored up to 12 months from the date of production.	Tightly closed in a dry place without direct sunlight. The unopened original container can be stored up to 18 months from the date of production. Frost-free conditions should be kept for storage and transportation.	Store in a dry place.
Classification	Classification according to Regulation (EC) No 1272/2008: Protect Black Tape is not classified according to CLP regulation.	Classification according to Regulation (EC) No 1272/2008: Protect BSK is not classified according to CLP regulation.	Classification according to Regulation (EC) No 1272/2008 as H361f (suspected of damaging fertility). Please consult the Protect BSF Intumescent Paint Safety Data Sheet (SDS) for further details at isover.co.uk/healthandsafety .	Classification according to Regulation (EC) No 1272/2008: Fire Protect Screws are not classified according to CLP regulation.



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Isover reserves the right to amend or revise product specification without notice. The information in this publication is correct at the time of publication. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

For an up-to-date library of product information, users should visit the website at isover.co.uk

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