

1. Application

SPORTEC® SFR is the two component polyurethane coating for **SPORTEC® shooting / shooting pro** tiles, which will be applied in three layers. The coating provides a seamless surface which can be easily cleaned of gunpowder deposits and reaches the fire class Bfl-s1.

2. Material

Two-component polyurethane system applied in 3 layers.

3. Colours



(All colors for the system are given by the finishing layer **SPORTEC® SFR finisher**)
Low color differences are conditional of material

4. Characteristics

SPORTEC® SFR sealer is the first layer of the system **SPORTEC® SFR** and will be installed directly on the **SPORTEC® shooting / shooting pro** tiles. The second layer is **SPORTEC® SFR protector** and **SPORTEC® SFR finisher** will be applied at the end as the colored, finishing layer.

5. Packaging

SPORTEC® SFR sealer: Set of 25 kg: mixing ratio of Resin Base : Hardener = 800 : 200

SPORTEC® SFR protector: Set of 25 kg: mixing ratio of Resin Base : Hardener = 760 : 240

SPORTEC® SFR finisher: Set of 10 kg: mixing ratio of Resin Base : Hardener = 825 : 175

6. Consumption

Please have a look into the installation recommendation to find the correct consumption for each layer.

7. Safety instructions

It is recommend avoiding contact to skin and eyes by using barrier creams and/or impermeable gloves, protective eyewear and protective clothes that cover the skin. It is important that applicable requirements for working with synthetics and PU are adhered to. While applying **SPORTEC® SFR**, especially when working in cramped and closed spaces, it is advisable to provide sample ventilation. For further information, please refer to the product's safety information sheets.

8. Technical specifications

Density at 20 °C	approx. 1300 kg/m ³
Pot life (at 20 °C)	SFR sealer: approx. 20 - 25 minutes SFR protector: approx. 15 – 20 minutes SFR finisher: approx. 45 – 60 minutes
Recoatable (20 °C)	each layer after approx. 16h and a maximum within 48h
Fully cured (20 °C)	after approx. 7 days
Hardness:	approx. 80 Shore A
Wear Resistance (ASTM D4060 CS 1000/1kg):	0,02g

9. Storage and transport

Keep product containers closed in original packaging and store in a dry place always at temperatures between 5°C and 25 °C. Take care that the PU material is not frost-proof. Shelf life (if stored correctly): approx. 12 months

10. Working

- a) Substrate: The substrate must be level (height differences within 3 mm over a length of 3 meters), dry and free of oil, grease and grime. The temperature of the product, ambient air and the substrate must all be in the range of 10 °C to 30 °C. The relative humidity of the air must not exceed 80 %.
- b) Tools: slow speed mixing device, (plasterer's) trowel or (tooth) spatula.
- c) Mixing procedure: Mixing of both components occur in more steps:
 - 1) Open the Resin Base container (component A) and mix the contents thoroughly until it is completely homogeneous.
 - 2) Shake the Curing Agent container (component B), open the Curing Agent container and add the Curing Agent to the Resin base (component A).

2-Component PU coating**Product Data Sheet** no. 9162 - R - 05

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- 3) Mix both components by using a mechanical aid during 3 minutes minimum, until a homogeneous mixture is formed. A well-mixed liquid is characterized by having the same colour throughout, with no light or dark patches in evidence.
- 4) To prevent insufficient mixing or pockets of unmixed product, pour the mixed liquid into another clean container and repeat the mixing procedure for a short while. Never use the product or rests of the product in an unmixed state.
- d) Tool cleaning: The used tools can be cleaned with a thinner.
Once cured, excess product can only be removed by mechanical means.