

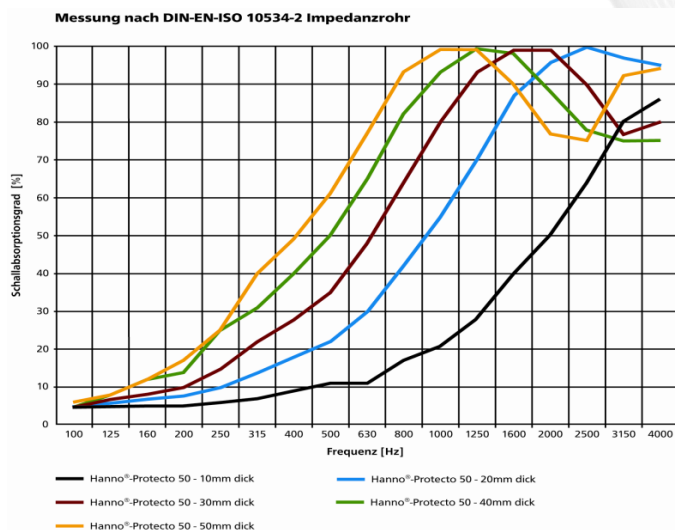


## Product description

Mostly open-cell polyurethane foam whose surface is coated with black manmade fiber fleece permeable to sound

## Product properties

The surface coat is dirt and splash water repellent. The material is essentially resistant to petrol and engine oil splashes. The fleece surface offers mechanical protection, Extraordinary age resistance.



## Applications

In all areas of capsule and machine construction, automotive and commercial vehicle sectors, where mechanical stress and exposure to oil or petrol vapors are likely. For cladding to achieve high absorption.

## Processing

Install only on dry, grease-free, clean surfaces; press full surface firmly in contact. Using a sharp knife, you can cut the material easily to the size you need. Hanno®-Protecto 50 can be finished to be self-adhesive; it can be cut or punched.

## Form of Delivery

Rolls of 1000 mm useful width. Panels, blanks, punches, with self-adhesive coating  
Thicknesses: 10 - 50 mm (other thicknesses on request)

## Technical data

Colour	-	grey, surface: black
Composition	-	PUR foam / fiber fleece
Foam bulk density	EN ISO 845	25 kg/m <sup>3</sup> +/- 10%
Foam compression hardness	EN ISO 3386	3 kPa +/- 10% (40%)
Fire behaviour	DIN 75200 FMVSS 302	<100mm/min
Operative temperature range	-	-40°C to +100°C
Processing temperature	-	15-30°C
Storage conditions	-	Cool and dry, 12 months – do not expose to direct sunlight.

## Hanno Werk GmbH & Co. KG

Hanno-Ring 3-5  
30880 Laatzen  
Germany  
Tel: +49 5102 7000-0  
info@hanno.com  
www.hanno.com



# Hanno<sup>®</sup>-Protecto 50

## Cleaning

The material does not produce any extensive contamination. Small amounts of adhesive from parts with self-adhesive finish can be removed with petrol. The safety requirements of the cleaner must be observed.

## Environment and disposal

Hanno<sup>®</sup>-Protecto 50 can be disposed of as household waste in landfills or waste incineration plants. Local waste disposal regulations must be observed.

## Safety Instructions

In view of the existing data and experience, the product is not hazardous material in the meaning of the Hazardous Material Regulations and the corresponding EC directives. We recommend however that you take the same care and use the same hygiene as is customary with chemical materials.

## Restriction of liability

Our General Terms and Conditions of Sales with the warranty conditions which you can refer to at [www.hanno.com](http://www.hanno.com), apply. This data sheet provides non-binding information without the assurance of guarantee. The stipulated instructions for use are to be adapted to the given conditions. The user is obligated to validating the suitability and application possibility of the product by testing it himself, so as to avoid failures for which we assume no liability. The right to make technical changes is reserved.

You can request the latest version of this datasheet from [info@hanno.com](mailto:info@hanno.com).

## Hanno Werk GmbH & Co. KG

Hanno-Ring 3-5  
30880 Laatzen  
Germany  
Tel: +49 5102 7000-0  
[info@hanno.com](mailto:info@hanno.com)  
[www.hanno.com](http://www.hanno.com)

