



tesa® 54332 FireGuard



Product Information

Sealing Patch for hole covering applications

Product Description

tesa® 54332 FireGuard combines a fire- and heat-resistant aluminum laminated glass cloth layer with a thick acrylic adhesive sealer.

Product Features

- This product is optimized for the automotive industry to cover holes in the battery area that require reliable fire proofness of the passenger compartment and perfect sealing.

Application Fields

tesa® 54332 FireGuard can be applied before and after paint shop along the automotive production process, e.g. floor areas directly above the battery housing.

Main product features:

- Fire proofness of car body holes > 5 minutes at 500 °C (open flame)
- Reliable corrosion protection and sealing against water ingress
- Good puncture resistance
- Temperature resistance (dimensional stability) up to 200 °C
- Good UBC (PVC) compatibility and paint anchorage
- Secure adhesion to steel, aluminum, plastics, painted substrates, and reinforced plastic substrates in automotive lightweight constructions

In case the product will be applied in the underbody area we are recommending an additional coverage due to low stone chipping performance.

Our aim is to fully understand your application (including the substrates involved) in order to provide the right product recommendation and to ensure the highest performance possible.

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- | | | | |
|--------------------|--------------------------------|-------------------|---------|
| • Backing | aluminium laminated glasscloth | • Total thickness | 1010 µm |
| • Type of adhesive | modified acrylic | • Color | silver |
| • Type of liner | PE-coated paper | | |

For latest information on this product please visit <http://l.tesa.com/?ip=54332>



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Properties/Performance Values

- Puncture resistance 400 N

Adhesion to Values

- Steel 22 N/cm

Additional Information

The peel adhesion is measured after three days dwell time at room temperature, therefore the acrylic sealer is reinforced with a double sided etched PET film (36 µm) and applied on ASTM steel.

Fireproofing tesa acc. VCS 7511, 17, 3.8 Fire Ingress

Puncture resistance acc. tesa[®] JOPM0232, measured from backing side 24 h after application at room temperature:

Test climate = 23 ± 1 °C/ 50 ± 5 % relative humidity

Substrate = e-coated panel, 0.7 mm thickness and hole diameter of 30 mm

Patch diameter = 50 mm

Pin diameter = 20 mm

Pressurization = 4 kg roll, 5 x back and forth

Test speed = 300 mm/min

tesa[®] 54332 FireGuard is available upon request in customer specific patch dimensions can be delivered according to customer requirements and applications in either roll or sheet form.

We support your individual application process with tesa designed dispensing solutions to ensure a quick and reliable sealing of holes in the car body.

By fitting your robot with the best end arm tooling we enable a smart automation concept in your production site. Ask for our tesa[®] EfficienSeal dispensing tool to ensure a highly efficient and automated patch application.



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