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 material	aluminium laminated glasscloth	• Total thickness	1010 µm
• Type of adhesive	modified acrylic	• Colour	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® J0PM0232, 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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Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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