

## TECHNICAL INFORMATION

Date of  
preparation: 25  
March 2025



Date of update:  
25 March 2025  
Website  
from 3

**Product name: APP Gasket HT high-temperature  
sealant. APP No.: 040540.**

Single-component, permanently elastic, detachable sealing compound resistant to temperature fluctuations from -60°C to +315°C. Replaces seals made of materials such as rubber, clinker, asbestos, cork, felt, paper, etc.

Packaging. 105 g - plastic tube.

Product and additives. APP Gasket HT

Basic components. Silicone rubber.

Colour. Black.

Consistency. Paste.

Density.  $1.40 \pm 0.20 \text{ g/cm}^3$ .

Shore A hardness. 45.

Tensile strength.  
2.18 MPa.

Elongation at  
break. 360%.

Thermal resistance  
after curing.

- Maximum long-term: up to +175°C.
- Maximum short-term: up to +315°C.
- Minimum operating temperature: from -60°C.

Chemical resistance  
after curing.

to oils:	good	to hydraulic fluids:	good
to fuels:	good	to UV	good

Application

- Sealing connections where high chemical and thermal resistance is required.
- Automotive seals (e.g. water pumps, valve covers, oil pans, timing chain covers, thermostat covers) - do not use for cylinder head, exhaust system and carburettor seals.
- Heating technology (boilers, storage tanks, heaters), exhaust pipes, pumps, filters, thermostats, furnaces, cookers.

The above information is based on our current knowledge of our products and their possible applications. It does not guarantee specific properties or suitability for use in specific conditions. Please follow the instructions and warnings on the product labels and in the safety data sheet. We accept no liability if the final result of the work was influenced by factors beyond our control.

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### Properties

- Chemically resistant paste sealant replacing traditional automotive seals: rubber, clinker, cork, paper, felt and asbestos.
- Easy to use regardless of the shape of the surface.
- Resistant to UV radiation, water, salt and the effects of many chemicals, such as petrol, oils, lubricants, coolants, hydraulic fluids and antifreeze.
- Permanently elastic over a wide temperature range.
- Has negligible shrinkage.
- Solvent-free.

### Substrate

Suitable substrates.

The sealant has medium or low adhesion to smooth and porous surfaces such as steel, metals and their alloys, painted and enamelled surfaces, glass, ceramics, epoxy and polyester surfaces, impregnated and varnished wood.

The sealant acts as a gasket, compressed between two elements of the body, allowing for easy disassembly.

Caution!

Do not use for connections with PE, PP, Teflon or bituminous substrates.

Substrate preparation.

Before applying the sealant, dry the surface, clean it of old sealant residues and degrease it with

- acetone (PVC, glass, aluminium),
- alcohol-based remover,
- APP BENZ, APP BR 01, APP W900 or APP WB910 remover.



Note!

It is recommended to perform an adhesion test.

### Application



Unscrew the cap from the tube and squeeze the required amount of compound onto the surface of the joint to be sealed.

After applying the compound, the joint can be formed (smoothed) within 10 minutes using a spatula moistened with soapy water.

Warning!

Do not use for sealing cylinder heads.

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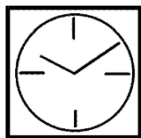
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### Drying



Curing of APP Gasket HT sealant at ambient temperature begins immediately after application and depends on air humidity and temperature.

At +23°C and 55% relative humidity:

- skin formation: after approx. 10 minutes,
- curing speed through hardening: 2.9 mm / 24 hours.

Caution!

Avoid contact with solvents during curing.

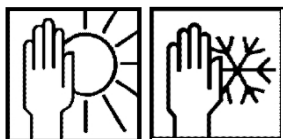
### Coverage:

The sealant is not intended to be covered with paints or varnishes.

### Equipment cleaning:

Before curing, use turpentine or extraction petrol. After curing, clean mechanically.

### Storage:



Store in closed original containers in a dry and well-ventilated room.

Storage temperature: +5°C to +25°C.

### Health and safety regulations:



For professional use only.

See: text on product labels or in the safety data sheet.

The user must comply with the health and safety regulations in force in their country.

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