



F-1 HIT PROSEAL

PRS



F-1 HIT PROSEAL
black

**THE LATEST GENERATION
THERMALLY RESISTANT SEALANT**

- Instant sealing, fills-in irregularities and clearances
- Resistant to water, chemicals, and high pressure 360 kg/cm²
Remains elastic and stable in temperatures of -60°C – +300°C
- Evens differences stemming from tolerance of treatment of the sealed elements

CAUTION

All information, including illustrations, are reliable. However, the users should evaluate the usability of each product for a given application. TTP Polska Sp. z o.o. does not guarantee the accuracy of all information and does not accept responsibility for how the products are used. The liabilities of TTP Polska Sp. z o.o. are limited solely to the standard terms and conditions of sale of the product and in no case whatsoever does TTP Polska Sp. z o.o. bear any responsibility for accidental or indirect damages resulting in the sale, use and improper use of the product.

GENERAL INFORMATION

F-1 HIT PROSEAL is an improved sealant, bonding under the influence of atmospheric humidity, based on polysiloxane, featuring superb adhesion to various materials. **F-1 HIT PROSEAL** is a high elasticity sealant, chemical-resistant, which is used at high and low temperatures. **F-1 HIT PROSEAL** establishes elastic joints, replacing standard gaskets made of rubber, pressboard, cork, paper, etc. that are used in flange connections. **F-1 HIT PROSEAL** features high adhesion to metal, glass, plastics, ceramics, etc. **F-1 HIT PROSEAL** is resistant to gases, air, water, oils, acids and bases. **F-1 HIT PROSEAL** is also resistant to bumps and vibrations, retaining its properties in a wide range of working temperatures (max. +320°C). **F-1 HIT PROSEAL** does not interfere with electronic devices.

TECHNICAL DATA

Base: polysiloxane stabilised with acetic acid
Colour: red
Density: 1.06 g/cm³
Consistency: paste
Stability (ASTM D 2202): >1 mm
Processing temperature: +5°C – +40°C
Curing type: through humidity
Curing conditions: +5°C – +40°C, 30–95% of relative humidity
Skin formation: 7 min.
Curing speed (first 24 h): 2–3 mm
Volume change: -3%
Maximum fissure: 5 mm
Shore hardness A (DIN 53505 / ASTM D 2240) ±5: 30
Elongation at rupture (DIN 53504 / ASTM D 412): 500%
Bursting strength (DIN 53515 / ASTM D 624): 4.0 N/mm²
Thermal resistance: -60°C – +280°C, transiently: up to +320°C (2 h)
Solids content: 96%
Resistivity: 2.5 x 10⁽¹⁵⁾ Ω·cm
Dielectric strength: 21 kV/mm
Heat conductivity: 0.3 W/m·K
Paintability (liquid paint): none

USAGE

F-1 HIT PROSEAL seals: metals, wood, concrete, ceramics, glass, brick and other construction materials, painted surfaces, plastics (with the exception of plastics featuring low surface energy, like polyolefines and Teflon). Sealing of various engine and machine components — threads, flange joints, ventilation ducts, pipes, compressors, turbines, gearboxes, crankcases, water and petrol pumps, valves, etc. Sealing and protection against humidity of electric motor casings, collectors, external sockets, etc. Sealing and filling joints between boards. Sealing of lamp fittings and car bodies. Prevention of corrosion and dampening during installation of antennas, cable and alarm systems, and steel structures. Protection against galvanic corrosion. May be used for sealing flanges in vapour installations, and also to increase the adherence of gaskets to substrate. It is resistant to: oils, lubricants, fuels, glycols, liquids (hydraulic, brake, cooling), water, pressure, alkalis, alcohols, cooking oils, salt solutions, many acids and lyes, Freon, butane, etc. In order to obtain optimal sealing properties, first — the surface needs to be cleaned off of rust, greases, all types of soiling, and second — it needs to be dried.

CLASSIFICATION

Article code	Name	Packaging	Type
PRSr	F-1 HIT PROSEAL red	310 ml	adhesives, sealants
PRSB	F-1 HIT PROSEAL black	310 ml	adhesives, sealants

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