HYDRA®

HEAT RESISTANT SEALANT



PRODUCT DESCRIPTION

Special refractory sealant that is heat-resistant up to 1250°C. Extremely suitable for application around fireplaces, stone ovens, barbecues and fire box of ceramic barbecues. Also suitable for bonding refractory bricks.

FIELD OF APPLICATION

Suitable for repairing and sealing cracks, seams and joints in fireplaces, multi-burners, stoves, chimneys and assembling and sealing concrete fireplaces and barbecues. Also suitable for temporary sealing of car and motorcycle exhaust systems. Bonds to metal, stone and concrete.
Not suitable for central heating systems and gas pipes.

PROPERTIES

· Heat resistant up to 1250 °C
· Excellent adhesion to stone, metal and concrete
· For indoor & outdoor applications
· Filling and non-shrinking
· Permanently weatherproof

PREPARATION

Working Conditions: Only apply at temperatures between +5 °C and +40 °C.
Surface Requirements: The surface must be clean and free of dust, rust and grease.
Preliminary Surface Treatment: Degrease metal parts with degreaser or acetone. For application to porous substrates, slightly moisten the substrate with water.
Tools: Apply cartridge with GRIFFON cartridge gun and use GRIFFON Multi Tool to open the cartridge and tooling the sealant.

APPLICATION

Coverage: Content suitable for approx. 9 m (depending on the diameter of the joint).
Directions for use:
Use sealant gun to handle cartridge. Open the cartridge by cutting off the plastic nipple on the top side at the screw thread with a sharp knife. Screw on the nozzle and chamfer at the desired width.
Slightly moisten the joint with water before applying. Inject the sealant evenly into the joint and tool immediately with a wet putty knife. Allow to dry for at least 24 hours (cover from rainshowers in outside use). Then heat gently until the sealant has cured. For exhaust systems, first apply a layer of sealant, press in a piece of fiberglass cloth and cover it again with sealant. Allow to dry for at least 24 hours. Remove excess sealant immediately with water.
Stains/residue: Remove wet stains immediately with water. Cured residue can only be removed mechanically.
Points of attention: Once fired up, the sealant may colour slightly lighter (depending on temperature). The sealant can only withstand 1250°C until it is fully cured. Always test the adhesion before application. Do not use on permanently wet areas. Thermal loading of the sealant when it is not yet entirely cured may result in the forming of tears and even to crumbling of the sealant. After some time, a liquid film will form on the sealant, but this has no effect on the quality of the sealant. Usage in electrical equipment can be hazardous with regard to the conductivity of the product.

TECHNICAL SPECIFICATIONS

Chemical base:	Water glass
Colour:	Black
Density approx.:	1,9 g/cm³
Elasticity:	Nil
Filling capacity:	Good
Maximum temperature resistance:	1250 °C
Moisture resistance:	Good
pH-value approx.:	11
Solid matter approx.:	73 %
Viscosity:	Pasty

STORAGE CONDITIONS

Shelf life: At least 24 months after production.
Store in properly sealed packaging in a dry place at between +5 °C and +25 °C.
Limited shelf life after opening.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.