



DUOTMEL® 310

DUOTMEL® 310 is a two-component epoxy sealant filled with titanium with an extended curing time. The individual components do not have to be difficult to measure. It has excellent pressure and chemical resistance, it is resistant to high temperatures up to +310 ° C.



USAGE

DUOTMEL® 310 is designed for repairs and bonding where extreme pressure and heat resistance is required. It is well formable and suitable for repairing a wide range of materials, especially metals, including mild steel, galvanized steel, (gray) cast iron, aluminum, ceramics and thermoplastics.

BENEFITS

high temperature resistance
high chemical resistance
high pressure resistance
can be overpainted

USER MANUAL

1. Thoroughly clean, roughen and degrease the application site with TECHNOSOL®.
2. Separate the required amount of material and remove the protective film.
3. Mix the ingredients in clean hands for at least 1 minute so that the color of the material is even. 4. You can also use microtene or latex gloves when working. If the titanium rod cannot be formed (due to low temperature storage), allow it to warm to room temperature. You can speed up the heating process by placing the stick in warm water in a microtene bag. No later than 15 min. after mixing, apply to the surface to be repaired. The mixed epoxy will not immediately have a high bond strength, but will only have a handling strength.
5. Press DUOTMEL® 310 into cracks and holes and remove excess material, preferably with tools soaked in clean water.
6. In order for the surface to be smooth after curing, smooth it while it is still hardened with fingers moistened in soapy water. After 1.5 - 2 hours it reaches the hardness of the metal, in 6 hours it is hardened and can be machined. The material is completely cured within 24 hours.

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SUITABLE APPLICATIONS

Repairs of steel castings, pumps, valves, pipes, covers, linings, damaged flanges, keyways, where there are increased demands on temperature resistance, iron pipes, tanks, repairs of molds and cracks in castings, anchor bolts, mold repairs in the plastics industry and many other applications.

WORK SAFETY

Wash hands with soap and water after work.

TECHNICAL DATA

Processing time	15 min.
Handling hardness (20 °C)	1,5-2 hours
Possibility of machining	after 6 hours
Full hardness	24 hours
Hardness Shore D	80
Temperature resistance	260 °C continuously, in the short term 310 °C
Tensile strength	6,2 N/mm2
Electrical resistance	30 000 MΩ
Compressive strength	90 N/mm2
Dielectric strength	300 V/mm

CONTENT

STOCK NUMBER

110 g tube	581 010
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RELATED PRODUCTS

TECHNOSOL®



All products of NOVATO® spol. s.r.o., which are a chemical mixture or a dangerous chemical mixture, are properly classified, marked and equipped with safety data sheets in accordance with the Chemical Act and relevant regulations within the EU. All hazardous mixtures have a safety data sheet, which is freely available on our website www.novato.cz, eventually at our sales representatives and in the sales department of the company. All users of NOVATO® products are legally required to familiarize themselves with the technical and safety data sheets of the product concerned to ensure proper use, storage and handling of the product. Our oral and written technical recommendations, which we transmit with the utmost knowledge, cannot cover all details and conditions of the application and do not exempt users from their own examinations and tests in relation to third party rights. Therefore, the user is obliged to perform tests and tests for individual applications in such a way as to eliminate all risks associated with the application of the chemical mixture, especially the hazardous chemical mixture, as these applications and their conditions are beyond our control possibilities. NOVATO® spol. s.r.o. guarantees the declared quality of its products and the properties described in the technical and safety data sheets.

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