



POLINTEK

**Product Data Sheets
POLINTEK
Metal Repair**



GENERAL INFORMATION

Product Description :

A two component system consisting of polymers incorporated with an aggregate mix. Once fully cured, the system provides excellent protection from the effects of mechanical and chemical attack.

Application Areas :

When mixed and applied as detailed in the POLINTEK Instructions for Use (IFU), the system is ideally suited for application to the following:

- Piping
- Valve
- Flange
- Tank
- Machinery
- Part & Tools
- Frames

APPLICATION INFORMATION

Working Life

Will vary according to temperature. At 77°F (25°C), use all mixed material within 30 minutes.

Coverage Rates

Each 1.3 kg unit applied at film thickness of 1 mm will cover 1 m².

Cure Time

Allow to solidify for the times shown in the POLINTEK IFU before subjecting it to the conditions indicated.

Components

Appearance Damp sand

Color light to dark Chocolate

Density 1.2 - 2.5 g/cm³

Mixed Properties

Mixing Ratio by Weight (component to component) 1 : 1

The above application information serves as introductory guide only. For full application details including the recommended application procedure/technique, refer to the POLINTEK IFU which is enclosed with each packaged product.

ADHESION

When tested in accordance with ASTM D 3163-01 :
0,80 ± 0,95 MPa

TENSILE STRENGTH

When tested in accordance with ASTM D 638-14 :
170,37 ± 25,91 MPa

DEFLECTION TO CRACK

When tested in accordance with ASTM D 2412-10 :
164,04 ± 104,44 N

IGNITION LOST

Demonstrate the lost by ignition accordance to the ASTM D 3363 :
84,12 %

HEAT RESISTANCE

For many typical applications, the product is thermally stable to 350°C and down to -40°C.

CHEMICAL RESISTANCE

Demonstrates excellent chemical resistance to most inorganic acids up to 10% concentration and alkalis up to 20% concentration. Is resistant to salt solutions, hydrocarbons and mineral oils.

SELF LIFE

All components will have a shelf life of at least 5 years when stored between 32°F (0°C) and 86°F (30°C).

APPROVALS / ACCEPTANCE

The material has received recognition from local organizations

ADVANTAGES

1. Injection On-Line Leak Sealing (OLLS): Top Site and Down Site area to stop the leak for minutes (fast curing in all extreme climates).
2. Best Corrosion & Erosion Protection.
3. Compatible to all metal and non-metal design and contour with complete metal clamping and its accessories for supporting the reinforcements.
4. UV and Extreme Climate Resistance.
5. Flexible for Dynamical Force (especially for tank and pressurized container).
6. Best high pressure and high temperature on-stream repair object
7. Best adhesive within extreme wet and oily application.
8. Hydrocarbon Resistance & Best Chemical Resistance.

POLINTEK guarantees this product will meet the performance claims stated herein when material is stored and used as instructed in the POLINTEK Information For Use leaflet. POLINTEK further guarantees that all its products are carefully manufactured to ensure the highest quality possible and tested strictly in accordance with universally recognized standards (ASTM). Since POLINTEK has no control over the use of the product described herein, no warranty for any application can be given.

AVAILABILITY AND COST

POLINTEK Metal Repair is available from a network of POLINTEK Distributors throughout the world for prompt delivery to the application site. For information, consult the POLINTEK Distributor in your area.

HEALTH AND SAFETY

Prior to using this material, please consult the relevant Material Safety Data Sheets.

MANUFACTURER

PT. DARTA MCKUADRAT INDUSTRI Tangerang INDONESIA	PT.ABADI COATING SOLUTION. Tangerang INDONESIA
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TECHNICAL SERVICE

Complete technical assistance is available and includes fully trained Technical Consultants, technical service personnel and fully staffed research, development and quality control laboratories.

The technical data contained herein is based on the results of long term tests carried out in our laboratories and to the best of our knowledge is true and accurate on the date of publication. It is however subject to change without prior notice and the user should contact PT. DARTA MCKUADRAT INDUSTRI to verify the technical data is correct before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for rates of coverage, performance or injury resulting from use. Liability, if any, is limited to the replacement of products. No other warranty or guarantee of any kind is made by PT. DARTA MCKUADRAT INDUSTRI, express or implied, whether statutory, by operation of law or otherwise, including merchantability or fitness for a particular purpose. Nothing in the foregoing statement shall exclude or limit any liability of PT. DARTA MCKUADRAT INDUSTRI to the extent such liability cannot by law be excluded or limited.

