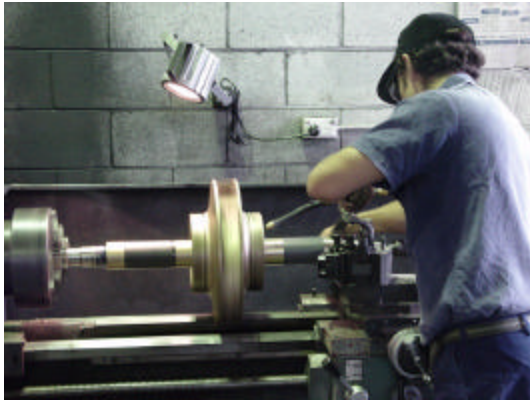
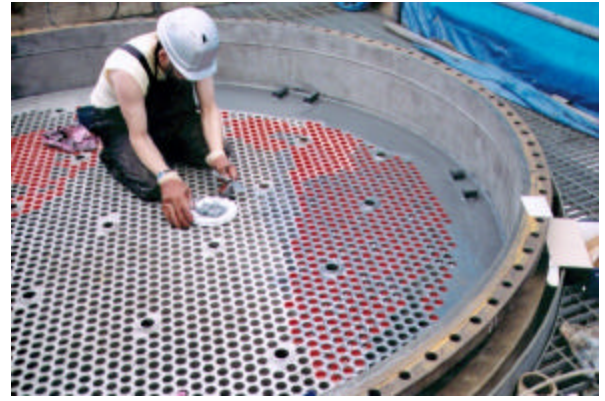


Thortex Metal Repair Systems

Thortex Metal Repair System

- ★ Cost-effective products
- ★ In-situ repairs to machinery and equipment
- ★ Outstanding adhesion to all metals
- ★ Easily machined, drilled, tapped and sanded
- ★ Resistant to most chemicals
- ★ Does not shrink during curing
- ★ Rapid cure times



The Thortex Metal Repair Systems are ideal for:

- ★ Worn Shafts
- ★ Bearing Housings
- ★ Distorted Flange Faces
- ★ Cracked Engine Blocks
- ★ Tank Seams
- ★ Cracked & Burst Pipes
- ★ Damaged Radiators
- ★ Sloppy Keyways
- ★ Brake Test Rollers
- ★ Pipe Wraps

Call your **Thortex** sales representative today to find out which of the **Thortex Metal Repair Systems** products are right for your repair and protection needs.

Thortex Metal Repair Systems offer an **EXTENSIVE RANGE OF SYSTEMS**. Their **ADVANCED POLYMER TECHNOLOGY** and **AWARD WINNING TECHNOLOGIES** offer **LONG-TERM PROTECTION** for your equipment and facilities.



Thortex America, Inc.

12 Iron Bridge Drive • Collegeville, PA 19426
800.578.2772 • 610.831.1910 (fax)
www.thortex.com

Thortex Metal Repair System

Metal-Tech EG

Drying/Cure Times @ 68°F:

Usable Life	25 min	Initial Set	60 min
Machining	2 hrs	Full Mechanical	3 days

Compressive Strength	ASTM D695	15500 psi
Corrosion Resistance	ASTM B117	5000 hrs
Flexural Strength	ASTM D790	10000 psi
Hardness (Rockwell R)	ASTM D785	100

Metal-Tech FG

Drying/Cure Times @ 68°F:

Usable Life	40 min	Initial Set	4 hrs
Machining	8 hrs	Full Mechanical	5 days
Min Overcoat	4 hrs	Max Overcoat	48 hrs

Compressive Strength	ASTM D695	9000 psi
Flexural Strength	ASTM D790	7000 psi
Tensile Shear Adhesion (applied to blast cleaned steel)	ASTM D1002	2800 psi
Corrosion Resistance	ASTM B117	5000 hrs
Hardness (Shore D)	ASTM D2246	85

Metal-Tech PR

Drying/Cure Times @ 68°F:

Usable Life	2-3 min	Initial Set	5 min
Full Mechanical Strength	30 minutes		

Flexural Strength	ASTM D790	4640 psi
Tensile Strength	ASTM D6382	2755 psi
Hardness (Shore D)	ASTM D2240	82
Adhesion (Bond Strength)		2000 psi
Max Heat Resistance	500°F	
Max Service Pressure (1/2 inch / 12 mm thick repair)		150 psi
Max Service Pressure (1 inch / 25 mm thick repair)		400 psi

Metal-Tech RG

Drying/Cure Times @ 68°F:

Usable Life	3 min	Initial Set	10 min
Machining	30 min	Full Mechanical	2 hrs

Flexural Strength	ASTM D790	7100 psi
Compressive Strength	ASTM D695	12200 psi
Tensile Shear Adhesion Grit Blasted Steel	ASTM D1002	2500 psi
Hardness (Shore D)	ASTM D2246	80
Corrosion Resistance	ASTM B117	5000 hrs

Metal-Tech SG

Drying/Cure Times @ 68°F:

Usable Life	6 min	Initial Set	15 min
Machining	30 min	Full Mechanical	2 hrs

Flexural Strength	ASTM D790	3250 psi
Compressive Strength	ASTM D695	5000 psi
Tensile Shear Adhesion (Grit Blasted)	ASTM D1002	650 psi
Hardness (Shore D)	ASTM D2246	85
Corrosion Resistance	ASTM B117	5000 hrs

Metal-Tech XG

Drying/Cure Times @ 68°F:

Usable Life	60 min	Initial Set	4 hrs
Machining	12 hrs	Full Mechanical	5 days

Flexural Strength	ASTM D790	8000 psi
Compressive Strength	ASTM D695	10000 psi
Tensile Shear Adhesion (Grit Blasted) Steel	ASTM D1002	2500 psi
Hardness (Shore D)	ASTM D2246	85
Corrosion Resistance	ASTM B117	5000 hrs

Chemical Resistance

The entire Thortex Metal Repair line possesses outstanding resistance to a wide variety of substances. Check with your Thortex Sales Representative to find out which products are right for your repair / protection projects.

For complete technical information about a specific Thortex Metal-Tech product, please refer to the individual Tech Data Sheets available at www.thortex.com or call 800.578.2772.

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