

MetaLine® Series 500

Professional coat-it-yourself technology



Elastomeric coated turbine-runner

Colour

every desired colour

Tensile Strength

ca. 29 N/mm²

Elongation

ca. 320 %

Shore Hardness

in 60, 80, 90 oder 98 A

Operating Temperature

-50 °C bis +90 °C

Application method

brushing or spraying

Thickness (wet)

up to 1,0 mm per coat

Thickness (dry)

between 0,5 and 5,0 mm

Coverage

1,40 kg/m² (@=1mm ML 590)

Cure time (mild service)

ca. 24 h

Approvals

meets USDA/FDA

Health and Safety

as per GefStoffV. - Xn

Elastomeric-Armouring

sprayable, non-hardening, noise-reducing coating for the protection of surfaces attacked by corrosion, abrasion, erosion and cavitation

The transfer of liquid, gaseous or solid materials counts to the most abrasive dynamic movements. Scratching, wearing or whirling particles lead to extreme surface impact. Erosion, corrosion, cavitation or in other cases restricted product flow due to material build-up are cost-intensive results!

MetaLine Series 500 is a solvent based, room temperature applied coating-system for the long-term protection of exposed surfaces

- *elastomerifies metal surfaces*
- *reduces impact forces*
- *resists erosion and cavitation*
- *protects against corrosion*



After priming, it is applied by brush, roller or conventional spray-equipment in every desired thickness. The sophisticated chemical composition guarantees - even under **permanent immersion** - excellent adhesion on virtually all solid or rubberlike substrates such as metal, steel, alloys, plastic, concrete, wood or natural- and synthetic rubber. It cures - without additional heat - to a **highly elastic**, seamless and outstanding resistant protective-barrier. There are 4 different degrees of hardness available.

MetaLine Series 500 offers impact-absorbing properties reducing the destroying speed of surface colliding particles. This minimizes erosion, cavitation and finally **optimizes the efficiency** and life-time of fluid-flow installations. Under operating conditions disturbing noise is greatly reduced. **Cutting resistant** properties avoids impingement through sharp materials being conveyed. One type, MetaLine 598, offers abrasion resistant **non-stick** characteristics.

The coating exhibits a fine **chemical resistance** against acids, caustics, hydrocarbons, salts, oils, gases or saltwater. Even at elevated temperatures or freeze/thaw conditions **MetaLine Series 500** is recommended for the lining of machinery, equipment and installations

attacked by extreme dynamic forces and heavy physical abuse.

In fluid-flow equipment or under the rough conditions of off-shore exploitation this versatile coating system is recommended for its hydrolytic and **non-aging** properties. Particularly in the transition area between liquid and gaseous media MetaLine Series 500 imparts excellent **corrosion-protection**. Its outstanding resistance in terms of flexural, tensile and tear strength avoids infiltration and loss of adhesion even after **long-term exposure**.

MetaLine Series 500 provides efficient protection for . . .

- storage tanks
- pipework
- transfer equipment
- conveyor belts
- fender vessels
- feeder bowls
- impact plates
- condensers
- filter vessels
- valve bodies
- vibrating decks
- pumps
- cyclones
- slurries
- fans
- impellers
- centrifuges
- rotors
- turbines
- flotation parts
- mixers

MetaLine®
protect ■ repair ■ save
proven coating systems since 1960

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