

Cavitation Protection

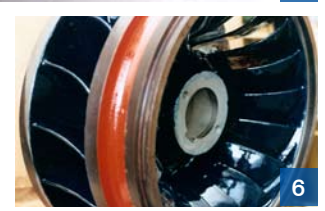
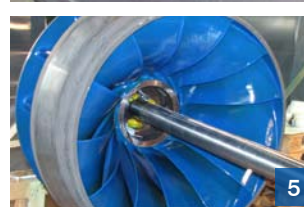
MetaLine Repair and Coating Systems



Francis impellers

Sprayable elastomeric coatings for seamless protective coating. Extremely resistant against cavitation and erosion. Vibration and impact-resistant. Area weight of only approximately 1 kg/m² per mm layer thickness

- Francis impellers
- Direct flow turbines
- Guide vanes / equipment
- Flow rectifiers
- Fittings



- 1 Tested and up to 50 times more erosion-resistant than epoxy ceramics
- 2 Hydrodynamically optimized, extremely smooth surface structure
- 3 Highly elastic, vibration-resistant, lightweight, cost effective
- 4 Seamless rubber-like material structure for extreme life-times
- 5 Can be repaired at any time in situ even when installed
- 6 The MetaLine spraying technology is suitable for almost any geometries

Surface Protection

MetaLine Repair and Coating Systems



Kaplan impellers

Sprayable elastomeric coatings for seamless protective coating. Geometrically accurate, smooth and flow-optimized. Substance-protecting, sustainable, cost-optimized

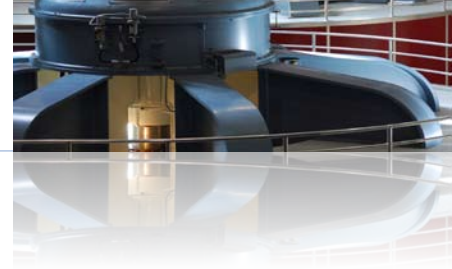
- Kaplan impellers
- Guide vanes / equipment



- 1 Flow-optimized surfaces with the help of liquid elastomers
- 2 Size poses no problem for the MetaLine spraying technology
- 3 MetaLine used only in problematic areas – that's one possibility
- 4 Convex, concave, contorted – and nevertheless seamlessly "rubber coated"
- 5 Each coating also requires adequate preparation
- 6 MetaLine – a repairable erosion and corrosion protection

Impact Protection

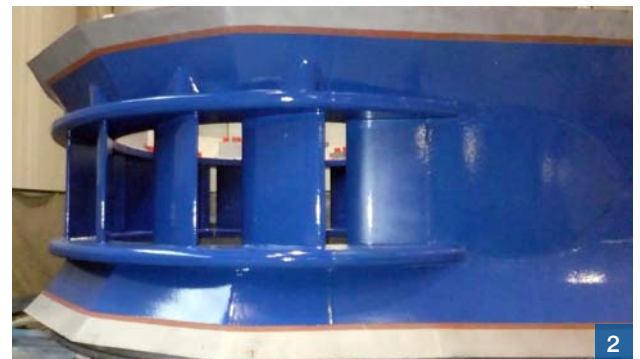
MetaLine Repair and Coating Systems



Turbine guide apparatus

Sprayable elastomeric coatings for seamless protective coating. Impact and blow-resistant. Especially erosion-resistant. Can be repaired and overcoated even when installed

- Guide vanes / equipment
- Turbine casings
- Pelton nozzle hoods
- Water brakes
- Suction pipes
- Fittings



- 1 A real alternative for impacts – elastomeric impact protection
- 2 Complex surface designs are the true strength of MetaLine
- 3 The stress-free alternative to weld hardfacing
- 4 Applicable at the works, in situ or when installed
- 5 MetaLine – recommended by leading turbine manufacturers . . .
- 6 Absolutely seamless “spray rubber coatings” – a perfect solution