

EPOCAST

DEVCON[®] CELLOFLEX-M



What is Devcon CELLOFLEX-M ?

- The **Devcon® CELLOFLEX-M** is an epoxy based coating system for the protection of sterntube- / propeller shafts and couplings against corrosion damages.
- **Devcon® CELLOFLEX-M** is a further development of our experienced and well tried and tested shaft coating system **CELLOFLEX**, which has been proven in service with thousands of applications worldwide.
- (Germany, Netherlands, Greece, Turkey, Norway, Korea and many more).

Which vessels need Devcon® CELLOFLEX-M?

- Navy vessels
frigates - corvettes - aircraft carriers - ocean patrol
vessels - supply vessels - sub-marines - police
and coast guard boats
- Yachts
- Merchant vessels (if required)



Advantages of Devcon® CELLOFLEX-M

- Corrosion protection
- Elasticity of basis mass “WBS” assures best accommodation to torsion and vibration
- No need of turning the shaft or removing in case of repair
- Protection against mechanical damages from outside
- Maintenance-free
- Non-polluting
- Excellent adhesive strength
- Easy to handle

Devcon® CELLOFLEX-M

Application procedure

Please read carefully our technical data sheet /
working procedure and act accordingly

Clean the shaft with special solvent **CELLONIT V616** and apply a **Primer...**

(shaft must be free from rust, oil, paint ect. and must be sandblasted acc. to SA 2.5 achieving a roughness of min. 30 µm)



... restrict the shaft liners from the area to be coated ...

(material has to be applied on conical ends of shaft liners)



... protect the shaft liners ...



... mix the component “**WBS**” resin and hardener to a homogeneous mixture with our special mixer ...



... apply the whole quantity of elastic **WBS** mass onto the shaft ...



...and dispense equally by using a serrated pallet-knife (4mm) in order to achieve the required thickness of layer. Let it cure.



Apply an additional thin layer **WBS** in order to achieve a smooth surface. Dispense the material equally with a normal spatula / pallet knife.



Measure the thickness with a magnetic thickness gauge after curing of **WBS** layer.

(actual: 3mm, minimum : 2mm “Manufacturer test certificate”)



Complete the test procedure with high voltage spark tester (Porotest).



Mix the covering layer **WBD** resin and hardener to a homogenous mixture with our special mixer ...



... apply the **WBD** with a brush / brush roller onto the base layer **WBS** ...



DEVCON® CELLOFLEX-M – SHAFT COATING SYSTEM

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... and wrap immediately a glass silk tape in a spiral manner around the shaft before the hardening process of **WBD** starts. The edges should not overlap.



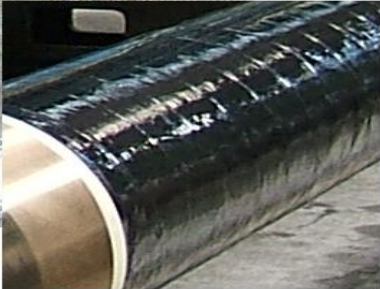
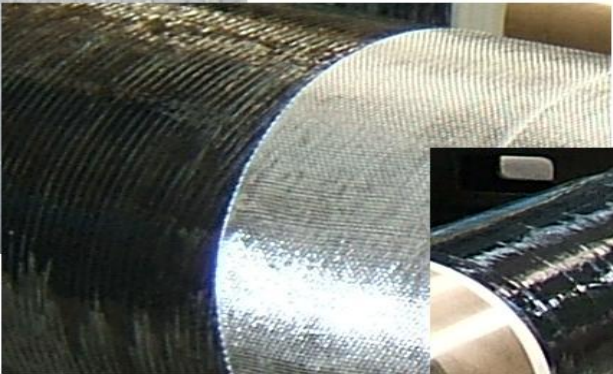
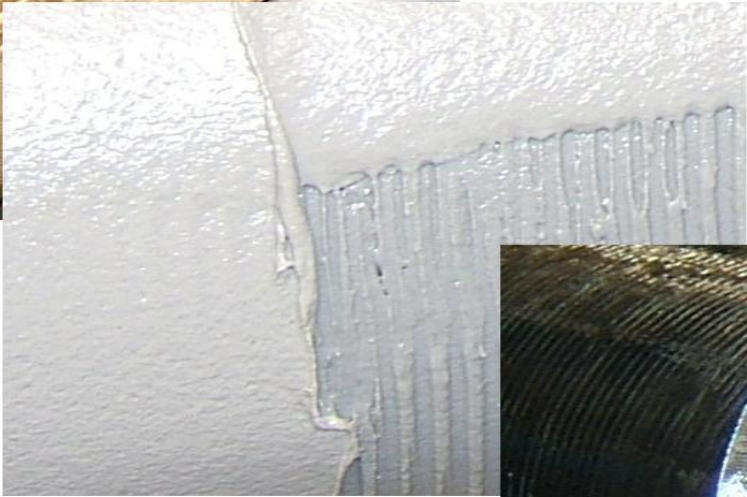
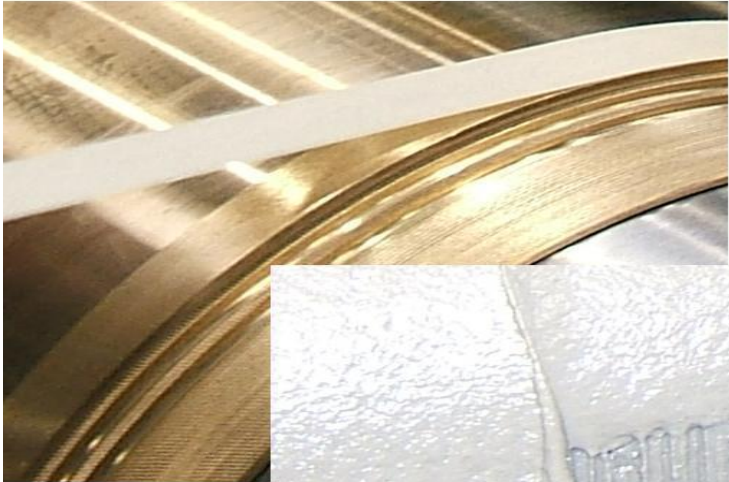
Apply immediately an additional layer of **WBD** on the glass silk tape and let it cure.



Apply a 2nd and if necessary a 3rd layer **WBD** (after curing of each single layer) in order to achieve a proper and good looking surface.







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