

# EPOCAST



## CHOCKING SOLUTIONS FOR YOUR BUSINESS

# EPOCAST FOR SPECIFIC USE IN SHIPBUILDING AND OFFSHORE RESEARCH MAKES THE DIFFERENCE!

Designed for specific uses in shipbuilding and offshore, our products are constantly proving themselves in both existing and new fields.

For over 40 years EPOCAST has provided highly reliable chocking solutions for cruise ships, bulk vessels, LPG/LNG tanks, navy ships and many other marine segments.

## EPOCAST 36®

EPOCAST 36® is a two-component pourable chocking compound with excellent physical characteristics replacing the conventional method of steel chocks when used for mounting main and auxiliary engines, gear boxes, steering gears, thrust bearings, stern tubes, etc. EPOCAST 36® chocks are not only economical to fit but offer additional benefits such as their ability to fill any reasonable irregularity in the chocking interface and to reduce noise and vibration.

### FEATURES AND BENEFITS:

- Saves weight
- Simple and economical to use
- Chemical resistant
- Up to 100mm chock thickness (depends on surroundings and temperature)
- Reduces noise and vibrations
- Compensates uneven foundations
- No need for machining of foundation surface
- High compressive and impact strength
- Nearly 100% of the force lines are conducted to the base
- Viscosity can be adjusted by pre-heating of resin compound

## EPOCAST 36-P

EPOCAST 36-P is a trowelable two-component epoxy paste which was specifically developed for installation of LPG/LNG tanks, chemical tanks and containment systems. EPOCAST 36-P is a further development of the worldwide proven chocking and grouting system EPOCAST 36® and is used everywhere in application where it is not practical to use a freely floating resin. EPOCAST 36-P can be heavily loaded and has good adhesive properties even at extremely low temperatures.

### FEATURES AND BENEFITS:

- Saves weight
- Simple to use
- Chemical resistant
- Long processing time (pot life)
- Compensates uneven foundations
- High compressive and impact strength
- Compensates constructional tolerances
- For tanks up to extremely low service temperatures
- Nearly 100% of the force lines are conducted to the base
- No machining

# CHOCKING SOLUTIONS FOR YOUR BUSINESS

If you are looking for a durable chocking solution that is easy and quick to install, EPOCAST has the product for you.

EPOCAST 36® is the registered trade name of the modern pourable epoxy resin chocking systems. For over 40 years, EPOCAST products have provided reliability and superior performance in countless shipyard applications all over the world, allowing considerably shorter and easier installations, compared to the traditional metal chocks.

The basis of the success of EPOCAST 36® resin chocks is the low modulus and perfect cast in suit fit over large surface areas, combined with a high coefficient of friction and a high coefficient of thermal expansion. Together, these hold machinery securely, permanently, and without fretting or wear to the chock contact surfaces. Based on two-component Epoxy and PUR materials, EPOCAST 36® solutions can be specified for chocking hot vibrating machinery and critical alignment installation.

### THE OTHER BENEFITS AND FEATURES AND EPOCAST INCLUDE:

- Ease of use
- Minimized risks
- Improved quality control
- Noise and vibration reduction
- Improved operational performance
- Minimized maintenance due to no fret and wear
- Cost reduction due to shorter building period and possibility to schedule work time

## EPOCAST CHOCKING SOLUTIONS

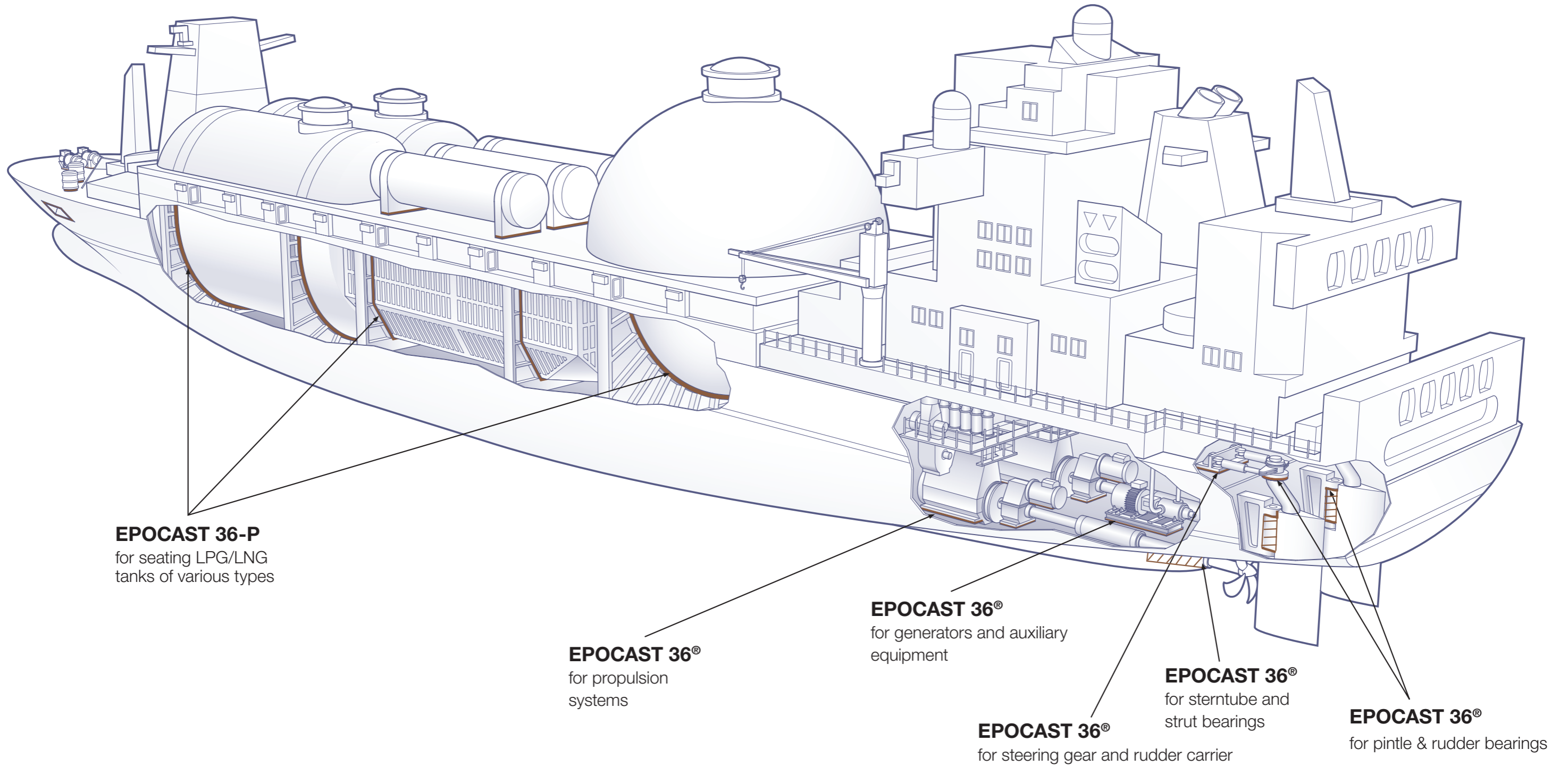
EPOCAST chocking systems are economical and convenient for new building installation and for retrofits, due to the absence of any requirements of machining. Installation time is measured in days rather than in weeks, which is normally required for iron chocking.

In the MARINE industry EPOCAST 36® is used widely for main engines of any size, auxiliaries, steering gear, deck machinery and crane rails.



# INSTALLATION OF EQUIPMENT

The ship illustration shows the areas of applications for EPOCAST 36® and EPOCAST 36-P



**EPOCAST 36-P**  
for seating LPG/LNG  
tanks of various types

**EPOCAST 36®**  
for propulsion  
systems

**EPOCAST 36®**  
for generators and auxiliary  
equipment

**EPOCAST 36®**  
for steering gear and rudder carrier

**EPOCAST 36®**  
for sterntube and  
strut bearings

**EPOCAST 36®**  
for pintle & rudder bearings



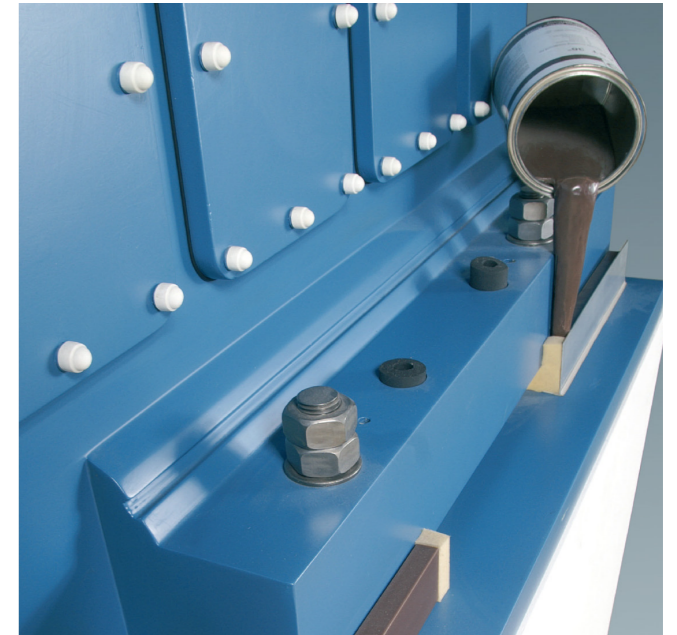
## EPOCAST F

EPOCAST F is a two-component resin system enriched with high-grade fillers. It is designed for use wherever there is a need to join different components and ensure a permanently flexible seal.

Low heat production during the curing process, even for high chocking applications. Smooth and pore-free surfaces are some of the outstanding features of this product.

### FEATURES AND BENEFITS:

- Low viscosity
- Simple to use
- Long processing time (pot life)
- Extraordinary smooth surface after installation
- Low exothermic reaction temperature
- Curing even in highly humid ambient atmosphere
- Protection against splash water (e.g. in combination with EPOCAST 36®)



## DEVCON® CELLOFLEX-M

Devcon® CELLOFLEX-M is a coating procedure for avoiding corrosion damage to propeller shafts and couplings exposed to seawater.

Devcon® CELLOFLEX-M is a further development of our well tried and tested shaft coating system Devcon® CELLOFLEX, which has been proven in service over ten thousand times worldwide.

Propeller shafts of twin screw vessels often lie freely in water and are therefore subject to intense corrosion caused by vagrant currents. Devcon® CELLOFLEX-M coating has been specifically developed to protect against this corrosion.

### FEATURES:

- Easy repair
- Non-polluting
- Epoxy based materials
- No need of turning shaft
- Excellent adhesive strength
- Protection against corrosion
- No removing of shaft in dry-dock
- Excellent accommodation to torsion and vibration stress of shaft
- 2-layer system protects against damages from seawater obstacles
- Approved by the Germany Navy and various classification societies



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