1.4 WHAT ARE THE BENEFITS OF USING EPOCAST 36?

There are several features or characteristics of EPOCAST 36 pourable chocking compound which differ from iron chocks. These give EPOCAST 36 a special 'behavior' which gives tangible benefits.

FEATURES

- Low modulus of elasticity.
- Low modulus of rigidity.
- Low poisons ratio.
- High coefficient of thermal expansion.
- High coefficient of friction.
- Poured into place.
- Inert, (dos not corrode).
- Low exotherm, (does not overheat when setting).
- Low volumetric shrinkage.

BEHAVIOR

- Large surface contact area.
- Relatively uniform loading over chock surface.
- The chock can bend with the bedplate in a seaway.
- Mechanical lock into surface irregularities.
- Accepts small relative movement between bedplate and foundation by distorting chock.
- There is no fretting or pouring.
- As the engine warms up chock expands more than steel causing chock security to improve.
- Chock material attenuates the transmission of noise.
- Chock does not corrode.
- Can mix chocks in hot conditions.
- Can form large chocks in one pour.

BENEFITS FROM GOOD RESIN CHOCKS

- Chocks do not fret or wear.
- Less risk from neglect of bolt tension in service.
- Less loose or broken bolts.
- Less fatigue fractures of pipe work.
- Less noise transmission and less vibration to hull.
- No machining to the foundation.
- No machining or skilled hand fitting of chocks.
- Easy quality control.
- Work takes days not weeks.
- Work time can be accurately scheduled.
- Shorter building period saves interest charges/penalties.
- Approved by all classification societies.
- Accepted by all major engine builders.