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Rebuilding and Protection of Propeller Shafts:

The Following ThistleBond section is concerned with the rebuilding and Reinforcing of Propeller Shafts and should be read in conjunction with the Technical Data sheets of the following ThistleBond Products: Flexiblised Ceramic Carbide Compound and Flexiblised Ceramic Carbide Fluid.

COMMON DEFECTS

Corrosion and Abrasion

PREPARATION

All work should be carried out in strict accordance with the relevant ThistleBond Technical Data Sheet. For in situ applications, a tented working area must be constructed in order to protect the shaft from inclement weather conditions. It may also be necessary to control the temperature within the work area in order to reduce the possibility of humidity and thus prevent condensation.

SURFACE PREPARATION

All surfaces should be washed with ThistleBond Universal Cleaner in order to remove all dirt and grease. Grit Blast all surface to be treated using an angular abrasive to give a surface finish of **Swedish Std Sa 2 1/2 ensuring a profile of 75 microns minimum.**

APPLICATION TECHNIQUE

Mix the selected ThistleBond Product and using a stiff bristled brush, or applicator provided apply a thin layer of the material to wet out the prepared surface. Immediately wrap the treated are with ThistleBond Reinforcement tape ensuring a minimum of 1/4 “ overlap between consecutive turns. Apply a further coat of fluid grade product ensuring complete encapsulation of the reinforcement tape.

TECHNICAL SUMMARY

| PRODUCT | CONSISTENCY | EROSION RESISTANCE | WORKING LIFE (20C) | FULL CURE (20C) |
|--------------------------------------|--------------------|---------------------------|---------------------------|------------------------|
| Flexiblised Ceramic Carbide Compound | PASTE | EXCELLENT | 20 MINUTES | 7 DAYS |
| Flexiblised Ceramic Carbide Fluid | FLUID | EXCELLENT | 20 MINUTES | 7 DAYS |

RECOMMENDED EQUIPMENT

Mixing and application tools are included in each pack of ThistleBond Product. Prior to carrying out the repair however, it is important that all necessary tools and equipment are available on site. These could include the following – *Grit Blasting equipment, ThistleBond Universal Cleaners, ThistleBond Release Agent, Protective Clothing, Polyethylene Tenting, Suitable centralising Jig or Template. New Pintle.*