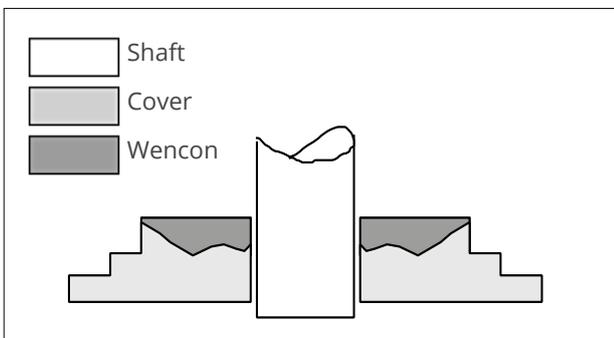
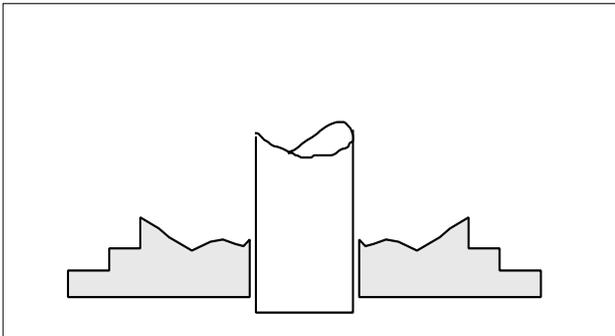


Pumps, casing cover - corrosion

APPLICATION DATA SHEET No. 123



1. Before application be sure to perform a proper surface preparation acc. to Wencon surface preparation, next page.
2. Build up the surface to it's original shape and dimensions, using Wencon Cream or Rapid and let semi cure before next application.
3. Apply a layer of Wencon Coating over the entire internal surface covering both the repair area and to the edges of the cover/casing.
4. Finish with a second layer of Wencon Coating to protect against future corrosion.

Alternative repair methods:

1. **Casting to fit:** The casing cover can also be rebuilt using a casting method. Wencon Release Agent is applied on to the casting piece (bearing bush) and reassembling the impeller shaft to provide a centred position.

The space between the casting piece and the body may be filled up with Wencon Cream or Rapid and left to cure.

After curing, the impeller shaft and bearing is disassembled and machined for any residue.

2. **Overbuilding and machining:** The centre shaft area can be overbuild using Wencon Cream or Wencon rapid. After full cure it is possible to machine the part back to its original dimensions.

Wencon surface preparation

Choose the relevant surface preparation, depending on the nature of the job.

Surface preparation using dry blasting methods:

Application with Wencon products on a dry surface, at minimum 3°C above dew point.

1. Blast the machine part to SA 2,5 using sharp-edged blasting media, to a roughness of min. 75 microns.
2. Leave the part for sweating out salts in a warm place for at least 12 hours or heat it up to 30 - 40°C (86-104 °F) using gas torches.
3. Blast again to SA 2,5, prior to the application.
4. For parts containing a lot of water and salt, it may be necessary to repeat point 2 and 3, until the surface remains light grey, for at least 2 hours after blasting.
5. For optimal adhesion of Wencon products, always use Wencon Bio Cleaner or Wencon Cleaner prior to application. Follow one of below two methods:
 - 5.1 **Wencon Bio Cleaner**
Wet surface: Apply Wencon Bio Cleaner and let it work for 5-10 min. If necessary use a brush, to make sure the surface is clean. Rinse off with clean water and wipe off with an absorbing cloth.

Dry surface: Apply Wencon Bio Cleaner and let it work for 5-10 min. If necessary use a brush, to make sure the surface is clean. Rinse off with clean water and dry with an absorbing cloth or with compressed air for a completely dry surface. Hereafter any Wencon products can be applied.
 - 5.2 **Wencon Cleaner**
After surface preparation, apply Wencon Cleaner with a brush and allow the product to evaporate before applying other Wencon products. Wencon Cleaner is non-flammable. Use only in large or well ventilated rooms.

Surface preparation using wet/damp methods:

Water jet the entire surface with water and sand to a standard equal, to SA 2,5 as described above.

If the surface is left wet after surface preparation, is it important to dry out the surface or alternatively use a Wencon UW product.

Surface preparation for emergency/temporary applications:

If above surface preparation methods are not possible, it may be necessary to use one of below methods:

- Blasting
- Grinding
- Needle Gunning

In emergency / temporary applications it may be difficult to prepare the surface according to above methods. In any case, it is important to clean the surface to SA 2,5 and 75 microns roughness. If possible dry the surface before applying. If not possible, use Wencon UW products.

For further information on Wencon surface preparation, please contact our Area Sales Managers.