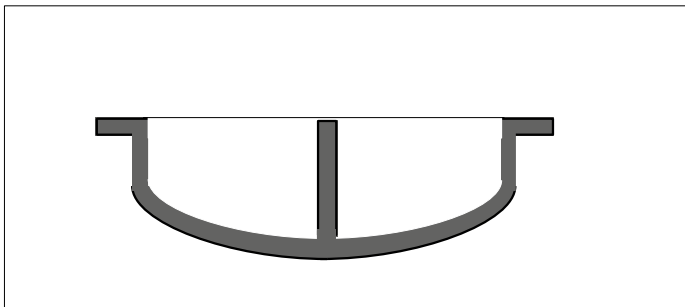
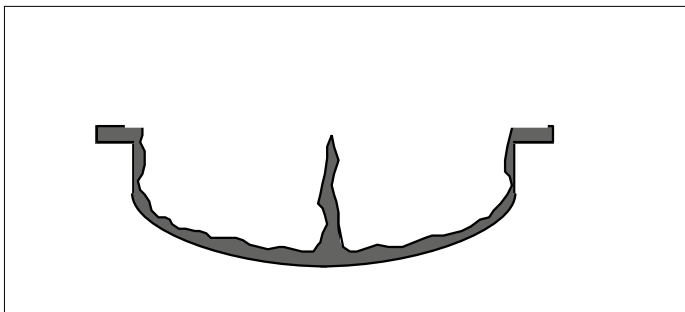
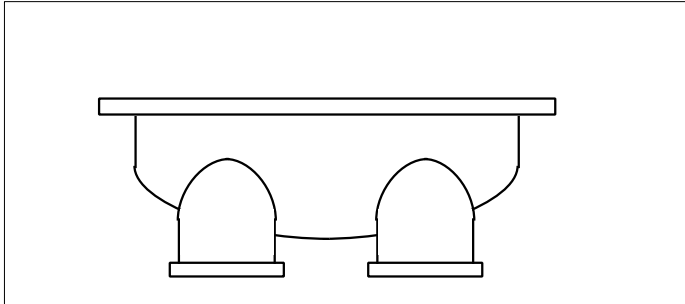


Cooler end cover - corrosion

APPLICATION DATA SHEET No. 105



1. Disassemble the end cover and carry out the surface preparation acc. to Wencon surface preparation, next page.
2. Build up the end cover to its original shape with Wencon Cream or Rapid. If there are holes in the metal, in the outer sides or in the division bar, it will be an advantage to reinforce the repair with Wencon Reinforcement Tape or a piece of metal mesh. The metal mesh is particularly advantageous with big holes, as the rigidity of the mesh, eases the application.

Apply the Wencon well beyond the edges, and after curing grind away the surplus with a wheel grinder.

3. Build up also the edge of the division bar and prior to curing fit and tighten in place a piece of angle iron or the like, on the flanges, in such a manner that the division bar is given its required shape. The iron rail is treated with Wencon Release Agent before tightening in place.
4. After rebuilding to its original dimensions and semi curing, apply a layer of Wencon Coating, white over the entire end cover.
5. Allow to cure for 1-2 hours, then finish with a the final layer of Wencon Coating, blue.

Alternative repairs

If the end cover is corroded only on the packing surface of the division bar, the repair is done by grinding and cleaning this, applying thereafter a coat of Wencon Rapid, followed by a coat of release agent on the tube end plate. Mount the end cover before curing takes place. The packing surface will then be shaped automatically.

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.