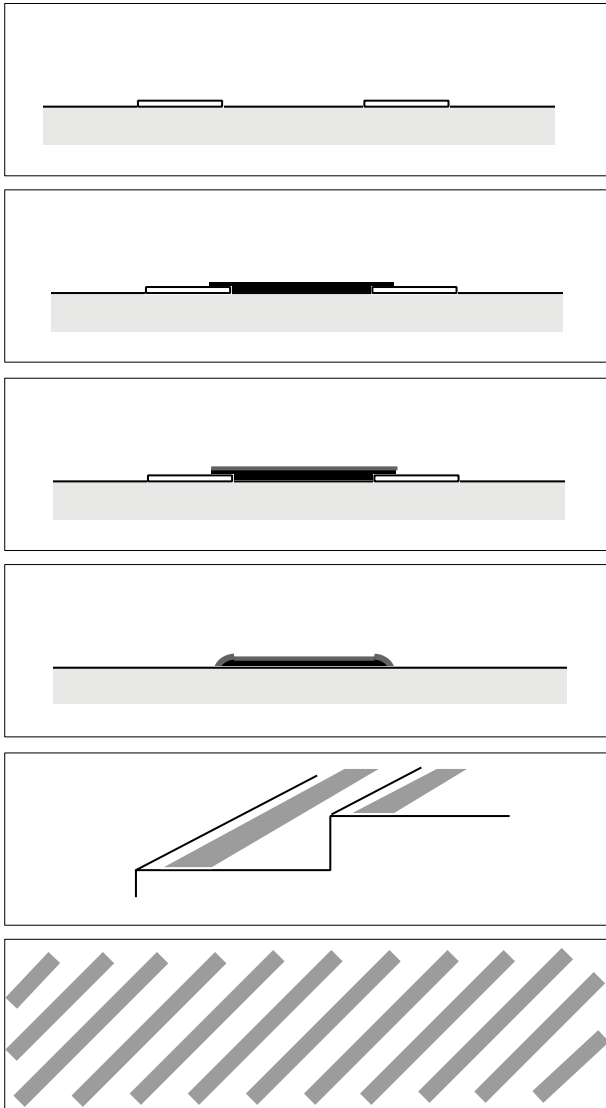


## Non-slip surface floors - stairs, drive rollers etc.

APPLICATION DATA SHEET No. 111



Wencon Coating and Aggregate are used to ensure non-slip surfaces in different situations. Most common applications are non-slip surfacing of floors, steps, stairs, passages etc. It is of equal interest to name conveyor belt drive rollers, forks on fork-lift trucks, rear loading ramps on lorries, and steps on cars or other transport machines. The system is very simple to use. Apply Wencon Coating to the surface to be treated, and sprinkle Wencon Aggregate on top.

1. Clean the surface acc. to Wencon surface preparation, next page. Required patterns can be formed by using a covering strip tape.
2. Mix and apply a thin coat of Wencon Coating.
3. Immediately after applying the coating, sprinkle a layer of Wencon Aggregate on the un-cured surface.
4. Remove the tape before curing in order to obtain a nice round edge.
5. When non-slip treating stairs it is important that the strip is placed a few centimetres from the edge of each step, otherwise it is easy to scrape ones legs.
6. In many cases it is not necessary to cover the whole surface. Non-slip can be applied in strips, as shown. A strip width of 3 to 4 cm (1,2-1,6 inch), and intervals of 6 to 8 cm (2,4-3,2 inch) could be a starting point.

When non-slip surfacing drive rollers it is advised to treat the whole surface.

Wencon non-slip surfaces are resistant to oil, salt water, pure water and to most diluted acids.

## 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.