

# Anti Slip Treatment - Application Guidelines

---

*Note: It is recommended that Cyndan Anti Slip Treatment only be applied by trained professionals and onto suitable surfaces only. If applied incorrectly the surface may become damaged.*

## Step 1: Pre-Treatment Cleaning and preparation.

---

Adequate preparation and cleaning is essential to ensure an even result in the treatment. Ideally the treated surface should become completely hydrophilic after the cleaning regime.

It is important that the applicator have a good general understanding of how to identify the different types of soiling that may be present on the surface of the floor areas to be treated.

It is also important that the applicator be proficient in the use of the preparatory and cleaning products that are to be used.

Depending on the nature of the substrate and the type of soiling present, there may be a range of chemicals that have to be used to clean and adequately prepare the surface for the anti-slip treatment.

It is recommended that the applicator consult with a Cyndan representative on-site to determine the most appropriate products that are to be used, until the applicator gains enough experience to make their own determination.

Generally **Cyndan UBC** can be used to remove most types of soiling and prepare the substrate for the anti-slip treatment. Please follow the instructions found on the label.

*Note: Remove solid contaminants such as gum from the surface before starting with the cleaning chemicals.*

## Step 2: Small Test Area.

---

It is imperative that you do a small test area in an inconspicuous place before proceeding to apply the treatment to the entire area.

This will establish the correct dwell time that **Cyndan Anti Slip Treatment** should be allowed to remain on the surface before neutralising and removal.

This will also ensure that you are satisfied with the finish and grip level of the floor after application of the treatment to the entire area.

If your application to the entire area is less than the dwell time established by the small test area, the surface grip level may be less than required.

If the application to the entire area is more than the dwell time established by the small test area, the surface may appear dull or reduce the sheen of the tile. This is especially significant if applying to a high gloss tile.

Different substrates will require different dwell times to achieve the desired grip level (wet measurement of the co-efficient of friction). The dwell time should be noted well and adhered to when treating the entire area.

To ascertain the correct dwell time and tile compatibility follow these instructions carefully. Before proceeding, always read the application and safety precautions on the product label.

**Instructions:****Testing Small Area**

1. Locate a 300mm x 300mm area in an inconspicuous place.
2. Clean this small test area adequately and dry.
3. Put on your safety gear and then apply **Cyndan Anti Slip Treatment** to the small test area for 5 minutes using a sponge.
4. Keep this area damp with **Cyndan Anti Slip Treatment** at all times. Do NOT allow the product to dry on the surface. If drying is occurring add more product. *Uneven drying may cause variation in sheen level.*
5. Rinse the **Cyndan Anti Slip Treatment** off with ample clean water. Measure the wet co-efficient of friction to determine if it is sufficient. If more grip is needed, continue applying as above in 2 minute increments, testing as before until the desired co-efficient of friction has been met.
6. Once you have established the dwell time needed (the sum total of all the application minutes) to achieve the desired grip level, dry the area to check the appearance is acceptable.

If the required dwell time is found to be less than 5 minutes do not proceed with the application if the entire area is greater than 2 square metres, call your Cyndan representative for further instructions.

When treating large areas (over 50 m<sup>2</sup>) and especially if the dwell time is low (7 minutes or less), it may become necessary to treat smaller areas at a time, as you may not have sufficient time to apply the product, neutralise and rinse the entire area without exceeding the dwell time. If this is the case it is important to divide the total areas up sensibly to areas that can be treated within the required dwell time. You would then complete each section before going onto the other. Take measures to avoid applying to areas already treated or that are still to be treated.

### Step 3: Application Procedure.

---

Before proceeding, always read the application and safety precautions on the product labels. **Cyndan Anti Slip Treatment** is acidic therefore avoid contact with surfaces that may be affected by acids such as metal (drains, floor wastes), painted surfaces, glass, wood and carpet.

1. Put on rubber gloves, vapour mask, safety glasses and appropriate footwear (acid resistant rubber spiked shoes are recommended).
2. If necessary adequately protect any surfaces that may be damaged by contact with any cleaners and the **Cyndan Anti Slip Treatment**.
3. Complete the necessary Pre-treatment cleaning and preparation to the entire area and dry.
4. Complete the small test area to ascertain the correct dwell time.
5. If necessary divide the total area up sensibly and work out your best application strategy.
6. Half fill a large plastic bucket with **Cyndan Anti Slip Treatment**. Make sure you have the **Cyndan UBC** ready as well as your water source, application mops and floor squeegee / wet vacuum machine.
7. Using a flat type mop or lambs wool applicator, submerge the mop then spread the **Cyndan Anti Slip Treatment** evenly over the area to be treated as follows:
  - Apply to surfaces starting along one wall and draw it one way only along the wall.
  - Turn and draw the mop parallel to the first application, overlapping 50 mm over the wet surface.
  - Continue this way until the treatment area(s) have a liberal amount of **Cyndan Anti Slip Treatment** on it.

8. Ensure the surface is always evenly wet with the **Cyndan Anti Slip Treatment** product during the entire time, otherwise the product may evaporate and cause spots, streaking or an uneven sheen to appear on the treated surface when the job is complete. This is especially significant when treating a high gloss tile.
9. Allow the **Cyndan Anti Slip Treatment** product to be in contact with the surface only to the pre-determined dwell time.
10. At the conclusion of the dwell time, apply ample **Cyndan UBC** to the treated area using a clean mop and rinse thoroughly.
11. Rinse the floor well with clean water several times until all the bubbles have gone and the surface is squeaky clean. Remove the remaining water with a floor squeegee, wet vacuum or auto scrubber and dispose of appropriately.
12. Using a slip meter, test several representative sample areas to ensure that the desired wet co-efficient of friction has been met.
13. Dry all surfaces and inspect the treated areas ensure quality of application.

#### VERY IMPORTANT:

Do not allow the **Cyndan Anti Slip Treatment** to dry on the surface. During treatment period, if any floor areas start to dry, immediately re-wet these dry patches. Ideally apply a liberal application of treatment initially to avoid drying, especially on hot days and with external applications. You may walk across the wet surface to do this (acid resistant rubber spike shoes are recommended) then simply re-wet the surface with the treatment over your tread marks.

Take precautions when applying onto a surface that is not level. If the surface has a gradient (eg: shower areas, balcony's) the product will tend to fall away to the lowest levels and potentially dry on the surface of the higher levels. To avoid this drying simply be aware of the floor areas gradients and top up product onto those areas as required until the dwell time has been reached.

If necessary the experienced applicator can test the slip resistance by stepping in an inconspicuous area, on the wet treated floor with the pressure of your foot and try to slide your shoe. **DO NOT OVER TREAT.** The process is not reversible. If unsure, use a shorter treatment period, this can always be increased. Over treatment will dull the sheen of the floor.

Also the treatment has the additional ability to remove soil from the grout joints. This soil is deposited onto the face of the surface. The final clean water rinses help to remove this soil and provides a more pleasing result.

The floor can be put back into use immediately after the final rinse and dry. It is recommended that the treated areas, especially commercial kitchen floors, be maintained and cleaned using **Cyndan UBEAUT**.

#### CAUTION AND NOTES:

Treatment does not work on synthetic tiles containing resin binders, paint, fibreglass or acrylic. Store in a cool and dry area. Do not allow to freeze. Keep out of reach of children and animals. Avoid applying on a surface in direct sunlight. Warm surfaces should be cooled with water before application. The surface to be treated can be slightly damp but not wet. Waxes, sealers and other contaminants or coatings act as a barrier and should be stripped prior to application. Per-determine correct dwell time for your application by the methods outlined. Always pre-test surfaces to ascertain suitability. Treatment may lighten dark grout. Always wear the correct safety gear when applying. If uncertain about any of the product or application information please contact your Cyndan Representative or Cyndan Head Office and ask for the Technical Officer before applying.

Cyndan endorses the use of the 'American Slip Meter ASM 726', for wet co-efficient of friction measurements.

