

Non-Slip Materials For Sealer

When sealing concrete surfaces for foot or vehicle traffic it is important (Recommended by OSH) that the finished surface has certain slip resistance when wet. Some councils now also require a minimum 0.4 rating (see test results) for sealed surfaces when wet. Further to this Permacolour has had their non-slip powder and non slip grit tested by Opus International Consultants and these consistently perform above council requirements and to New Zealand Standards.

USES

Care should be taken when sealing exterior surfaces that have not been finished with a non slip surface such as scribed, plain coloured, ground and polished footpaths, patios, courtyards, driveways etc as these need plenty of non-slip product to give them a good slip resistance. Permacolour suggest all newly laid concrete surfaces that are to be sealed should be given a non slip surface such as a broom, texture roller finish, float finish etc.

Note For dark colours we would recommend using the Aluminum Oxide grit and for lighter colours use the glass grit or Slip-reducer powder sachets.

APPLICATION

Non Slip Grit

Apply as first coat of sealer is applied i.e. lay out 8 - 10m² of sealer and while still wet lightly broadcast grit at eye level so it settles down onto the surface area you want to cover. Repeat this procedure until total area is covered. This is applied at a rate of 1kg per 25m². Do not broadcast down at the concrete as this will show up as heavy streaks of grit. Once the surface is dry (usually 20-30 minutes depending on time of the year) then apply a second coat of sealer to lock the grit in place.

Slip-reducer Sachet

This is mixed into the sealer prior to application and is ideally suited for those that are not experienced in applying the non slip grit products.

To Mix in Slip-reducer

Pour sealer into a bucket or similar container and add Slip-reducer sachet i.e. one 240/gm sachet to 1 x 20 litre sealer.

Using a power mixer mix thoroughly to disperse through sealer, let stand for 5 minutes and remix before using, apply using a broom or roller.

Note You will need to remix from time to time as settling may occur if left to sit for a long period of time. Spread in an even manner and try to avoid clumping and overlapping.

TEST RESULTS FOR PERMACOLOUR

Non-slip (anti-slip) And Non-Slip Grit

Tests were carried out on behalf of Permacolour by Opus International Consultants an Independent internationally recognized consultancy group.

The standard AS/NZS 3661.1:1993 give's guidelines for pedestrian surfaces. The main coefficient wet should not be less than 0.4 and no specimen should be less than 0.35.

From the results it appears that one coat of the anti slip product is sufficient to give acceptable coefficient of friction values.

See attached report.