



## **NON-SKID BASICS**

### **Instructions for applying loose-grain Silicon Carbide to new concrete surfaces**

The extreme hardness and sharpness of the non-skid abrasive when embedded in concrete result in an effective abrasive action, which in turn produces long lasting skid resistance. Ordinarily these materials are introduced into the concrete surface after it has been floated and troweled once. From 25 to 50 pounds of the non-slip abrasive grains per 100 square feet of surface are evenly broadcast in one or more dry shakes.

#### **Placement of Non-Skid Aggregate:**

This material is then worked into the concrete by light wood floats. The aim of this floating should be to securely embed the grains into the concrete but ensure that they remain at or near the concrete surface. For heavy duty applications, first prepare a dry mix of 4 parts by weight of non-slip abrasive and 1 part Portland cement. For medium duty applications uniformly broadcast 2/3 of the non-slip abrasive after the concrete has been screeded, straightened and bull floated. Do not broadcast non-slip abrasive directly into bleed water. Be sure to apply non-skid abrasive uniformly and avoid concentration or piling up. Allow the non-skid abrasive to remain unworked on the surface and allow it to wet out until it has darkened and is uniform in color. To prevent closing the slab too early, do not use steel trowels. Leave part of the non-skid aggregate exposed for the non-skid surface profile. Early setting around the edges will occur and should be watched closely to properly time the floating operation.

#### **CURING:**

Immediately after final finishing, and after the surface water has disappeared, apply a membrane forming curing compound or cure and seal. Wet curing methods compliant with ACI 308 may also be employed.

**Coverage:** approximately 75 square feet per 50 pounds

| Product # | grit | description     |
|-----------|------|-----------------|
| SC5016    | 16   | Silicon Carbide |
| SC5024    | 24   | Silicon Carbide |

SDS available at <https://products.kleenblast.com/viewitems/specialty-abrasives-blast-media/silicon-carbide>