



# THE EUCLID CHEMICAL COMPANY

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# NON-SLIP AGGREGATE



## NATURAL AGGREGATE, NON-SLIP FLOORING

**NON-SLIP AGGREGATE** is a crushed and graded igneous aggregate, recommended for use wherever a hard, long wearing, heavy duty, non-slip floor is required. Its wear resistant qualities often exceed those of stone, gravel and various other selected materials often used in the construction of heavy duty floors. It is graded to produce an optimum combination of sharp irregular particles, ranging from large to small, which mesh together and form an excellent acid resisting non-slip surface. It is available in standard #8-#30 size and other sizes to meet various specifications.

### PRIMARY APPLICATIONS

- Food processing plants
- Dairies
- Breweries
- Wherever concrete surfaces are exposed to water
- Stairways
- Platforms
- Ramps carrying pedestrian traffic in public and private buildings
- Parking garage ramps where additional traction is necessary for entering and leaving vehicles

### FEATURES/BENEFITS

- Provides permanent safety in pedestrian areas such as sidewalks, ramps and platforms
- Non-rusting
- Most economical non-slip protection

### PACKAGING

NON-SLIP AGGREGATE is packaged in 50 lb (22.7 kg) bags with polyethylene liner for moisture protection. Material is shipped 64 bags per pallet.

### COVERAGE

NON-SLIP AGGREGATE is generally used at a rate of 1 lb/ft<sup>2</sup> (4.9 kg/m<sup>2</sup>).

### TECHNICAL INFORMATION

#### Typical Engineering Data

Specific Gravity: ..... 2.87  
 Moh Hardness: ..... 7  
 Absorption - ..... 0.19%  
 Aluminum Oxide - ..... 25.4%  
 Silica - ..... 56.1%

#### Gradation Analysis

| Screen Size | #8 - #30 Grade |
|-------------|----------------|
| # 8 sieve   | 7% retained    |
| 12 sieve    | 45% retained   |
| 16 sieve    | 28% retained   |
| 30 sieve    | 20% retained   |
| 50 sieve    | trace          |

#### Appearance

NON-SLIP AGGREGATE is a crushed and graded igneous aggregate as packaged. The final finish can be any texture normally achievable with concrete and should be specified by the owner. NON-SLIP AGGREGATE is typically not given a steel trowel finish.

#### DIRECTIONS FOR USE

**Placing Procedures**-Place concrete between screed points and strike off to level of finished floor.

Use float or darby to level surface. To remove excess water, drag surface with burlap or a rubber hose.

After the concrete has stiffened somewhat, open the surface by floating with hand wood or power float.

For best results and uniform thickness, NON-SLIP AGGREGATE should be applied in two applications using approximately two-thirds of the total amount for the first application.

Allow the first application to remain unworked on the surface until it has absorbed moisture. Then float with hand or power float. Immediately after, apply the second application.

Float the second application in the same manner as outlined above, working the edges, then cross floating for a level surface.

Trowel until the desired surface finish is achieved.

## **Application of NON-SLIP AGGREGATE floor hardeners over air-entrained concrete.**

Use of NON-SLIP AGGREGATE with air-entrained concrete requires special considerations for the contractor:

1. Air-entrainment delays the timing when bleed water may eventually come to the surface of the concrete.
2. In general, air-entrainment reduces the amount of bleed water coming to the surface after concrete placement.
3. Finally, air-entrained concrete has a tendency to blister when applying a tight, steel & trowel finish to the surface of the slab.

Because of the above conditions, normal application procedures of NON-SLIP AGGREGATE must be modified when using this product over air-entrained concrete.

After the placement, the concrete must be allowed to stiffen sufficiently to support the weight of a worker. The indentation left by his footprint should not exceed 1/4 - 3/8". Any standing water must be removed. Applications of NON-SLIP AGGREGATE earlier than this may result in trapped bleed water.

Apply the NON-SLIP AGGREGATE and float the material into the surface. Care must be taken to not blister the surface if the slab will be trowel finished. Trowel the surface with magnesium or wood floats to the desired texture.

**Curing & Sealing-**The following products are recommended for curing and sealing NON-SLIP AGGREGATE. Each has its own advantages and unique properties. Consult the individual technical data sheet for each curing and sealing product or contact your Euclid Chemical representative for a recommendation regarding your specific project.

### **CURING**

#### **Solvent Based**

SUPER DIAMOND CLEAR  
SUPER FLOOR COAT<sup>1</sup>

#### **V.O.C. Compliant**

SUPER DIAMOND CLEAR VOX  
SUPER AQUA-CURE VOX  
KUREZ DR VOX<sup>1,2</sup>

### **SEALING**

#### **Solvent Based**

SUPER DIAMOND CLEAR  
SUPER FLOOR COAT<sup>1</sup>

#### **V.O.C. Compliant**

EUCO DIAMOND HARD<sup>2</sup>

<sup>1</sup> Do not use on colored surfaces.

<sup>2</sup> If the floor surface will later be frequently exposed to solvents, hydraulic fluid, etc. cure the floor with KUREZ DR VOX applied at 400 ft<sup>2</sup>/gal (9.8 m<sup>2</sup>/liter). Seal the floor with EUCO DIAMOND HARD penetrating sealer. Consult individual product data sheets for suitability and application information.

### **CLEAN-UP**

Clean tools and equipment with water before the material hardens.

**Shelf life:** 2 years in original, unopened package.

### **PRECAUTIONS / LIMITATIONS**

- For additional abrasion resistance beyond that offered by NON-SLIP AGGREGATE consider the use of EUCO-PLATE HD, an iron aggregate floor hardener.



Non-Slip Aggregate-8.03

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