



MANUAL SECTION	ISSUE DATE	AUTHORISED	REPLACES	PAGE
----------------	------------	------------	----------	------

<i>Flooring</i>	<i>Jan 2007</i>	<i>PM</i>	<i>Nov 2003</i>	<i>1 of 2</i>
-----------------	-----------------	-----------	-----------------	---------------

## Slip Resistant Additives

### Microcells and Revtred for Slip resistant floor coatings

Microcells are added to the floor paint prior to application. Revtred is sprinkled into the coating after application. Usually a final coating is applied over the anti-slip layer. Micro cells give a fine textured finish; Revtred are large beads by comparison. Microcells would be considered the standard anti-slip finish.

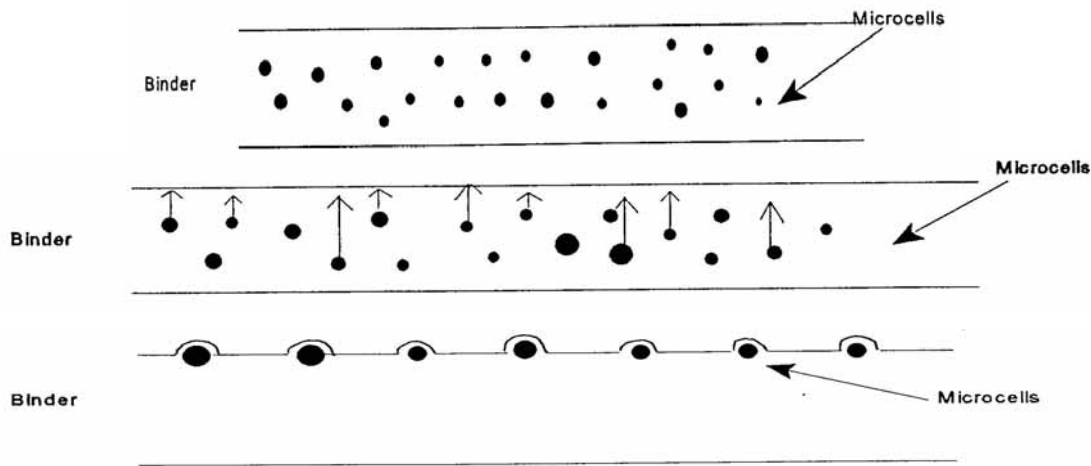
### 1). Microcells

- |   |  |
|---|--|
| <b><u>GENERIC TYPE:</u></b>             | Ceramic microsphere.   |
| <b><u>PROPERTIES/ FEATURES:</u></b>     |  |
| <i>Exceptionally hard</i>               | - Resists abrasion and wear  |
| <i>Low density</i>                      | - Easily mixed into coatings and remains in suspension while the product is used.    |
| <i>Mixed into the coating</i>           | - Ensures even distribution during application.                                      |
| <i>Light</i>                            | - Floats to the surface of the coating providing an effective slip resistant effect. |
| <i>White/transparent in colour</i>      | - Does not discolour or hide the substrate colour.                                   |
| <i>Inert</i>                            | - Compatible with most generic coating systems.                                      |
| <i>Bulk density</i>                     | - 0.7gms/cc  |
| <i>Packaging</i>                        | - 100gm in plastic pots, 20kg bags   |
| <i>Application method</i>               | - Mixed into the 2 <sup>nd</sup> to last coat just prior to application.             |
| <i>Coverage rate</i>                    | - 100 – 200gm / 4 litre of coating   |
| <b>***Note***</b>                       | Product is normally overcoated with a coat of modified coating to aid cleaning.      |
| <i>Typical co-efficient of friction</i> | - Wet – 0.56<br>(NZS/AS 3661.1:1993 tested using Terratuff)                          |

- SUGGESTED USES:**
- As slip resistant aggregate for incorporation into a floor during application.
  - Especially recommended as part of the Terraflake system on ramps, stair-treads, wet areas etc in the glazing process.
  - Application is normally recommended into the second-to-last coating application.
  - Terraflake, Revathane, M7, Terratuff, Surecote 200, Aquacolour

- NOT RECOMMENDED:**
- Use in very high build or high viscosity coatings.
  - Maybe visible in clear coatings over very dark substrates.

No warranty either expressed or implied or statutory is made by NUPLEX in this document except as expressly stated in any sale and purchase agreement entered into between NUPLEX and the buyer. CERTIFIED ISO 9001 REG. NO. 158  
This document is a technical data information sheet The description of the product or products and the properties of the product or products contained in this document is for the sole purpose of identifying the product or products and describing their property or properties and does not constitute a warranty that the product or its properties shall conform to that description; nor is the description of the product and/or its properties a warranty by NUPLEX that the goods are suitable for a particular purpose.



After being mixed in and applied the wet coating is allowed to stand and the Microcells rise. When they reach the surface they do not break through because of the surface tension, but remain with a covering of the binder. These small protrusions give the anti-slip effect.

## 2). REVTRED solid glass spheres

**GENERIC TYPE:** Spherical glass aggregate.

**PROPERTIES/**

**FEATURES:**

*Exceptionally hard*

*Inert*

*White/transparent in colour*

*Bulk density*

*Particle size*

*Application method*

*Coverage rate*

*Packaging*

*Typical co-efficient of friction*

- Resists abrasion and wear
- Compatible with most coating systems
- Particularly suited to coloured floor systems. Does not discolour or hide the substrate colour.
- 1.5kgs/litre
- 250 – 420 microns
- Evenly hand sprinkled, sprayed or applied by salt shaker.
- Approximately 50m<sup>2</sup>/550gm pack
- 550gm packs
- Wet – 0.54  
(NZS/AS 3661.1:1993 tested using Terratuff)

**SUGGESTED USES:**

- As slip resistant aggregate for incorporation into a floor coating during application.
- Especially recommended as part of the Terraflake system on ramps, stair-treads, wet areas etc in the glazing process. Application is normally recommended into the second-to-last coating application. Must be fully bonded to the substrate prior to application of the final coat (unmodified with Revtred).

**NOT**

**RECOMMENDED:**

- Use in very high build coatings.
- Maybe visible in clear coatings over very dark substrates.

**MAINTENANCE:**

Slip resistant finishes should be checked every 12 months for wear and compliance. Replace as required.