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Sealers	June 2005	PM	New Issue	1 of 2

## IONIX CONCRETE DUSTPROOFER AND HARDENER

**DESCRIPTION:**

Ionix is a waterbased sodium silicate based floor sealer. It reacts with concrete components to form a hard, often glossy glaze. This glaze is inorganic and chemically stable and inert.

**FEATURES:**

- Increases surface density and hardness.
- Easy to apply.
- Waterbased.
- Heat and chemical resistant.
- Reduces floor porosity.
- Helps reduce floor staining.
- Anti dusting.
- May be Overcoated.
- May be used in conjunction with floor grinders to produce a honed glaze.
- Suitable as a concrete curing agent.

**CAUTIONS:**

- Suitable for use by trained contractors only.
- Suitable for use on concrete only.
- End result various depending on concrete age - caution required.
- Ionix will not improve poor or failed concrete.

**APPLICATIONS:**

- Factory floors
- Warehouse floors
- Carparks
- Supermarket floors

**PROPERTIES:**

- Waterbased ionic silicate sealer.
- Clear.
- Minimum application temperature 5°.
- Coverage:           1<sup>st</sup> coat 5m<sup>2</sup>/Lt  
                                  2<sup>nd</sup> coat 8m<sup>2</sup>/Lt
- Dry between coats: 24 hours.
- Cure time after last coat: 24 hours.
- Stability: minimum 1 year in unopened containers.

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**NUPLEX CONSTRUCTION PRODUCTS**

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**IONIX** (cont'd)

**SUBSTRATE  
PREPARATION:**

- Ensure the floor is clean and smooth and suitable for the end purpose.
- Concrete should be at least 3 weeks old.
- Concrete must be free of dust, oil, grease, paint, petrol.
- Concrete must be fully dry to ensure deep penetration of the Ionix product.

**APPLICATION:**

Do not dilute, supplied ready for us.

- Application is by spreader, roller, sprinkle. If spray applied, it must be broomed to ensure penetration and wetting. Do not allow puddles to form. Do not expose applied Ionix to sun and wind. This condition will too rapidly dry-off the product.
- Two even coats of Ionix are applied at the stated coverage rates. Do not apply more as they may not react with concrete and hence not cure (a whitening will result).
- Always pre-test the concrete in a small unobvious area to ensure the required result will be achieved.
- Apply with a diamond polishing grinding system (eg: HTC 420) to achieved a glazed honed look that give a ceramic glazed effect.

**CLEAN UP:**

Wash with water; clean hands well.