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Product Information

Product Description

Aquaflex D-Gas is a water-born, zero VOC, non-HAP, safe, one part, coating exhibiting excellent flow, leveling and penetration properties.

All concrete surfaces must be prepared prior to product application per ASTM F710, level, firm, dry, smooth and free of dust, dirt, wax, cut-back, paint, grease, oil, curing agents, mold, bond breakers, residual alkaline salts, densifiers, hardeners or any other foreign material that would inhibit bonding. Concrete floors must be free of topical moisture. Use only mechanical methods to clean existing sub-floor. Fill cracks, holes, and depressions using only materials designed for this intended purpose.

When a liquid adhesive material flows onto an open porous surface, it fills the open concrete pores displacing air. Often the displaced air forms micro-bubbles within uncured adhesive materials. This has been described inappropriately by convention as “adhesive gas-off”. Adhesives do not have dissolved gases, particularly after trowel. The gas comes directly from the concrete itself. As flooring materials are placed the **micro**-bubbles locked in the adhesive will migrate and combine in a release of energy to form larger **macro**-bubbles visible to the eye. D-Gas is formulated with “defoaming” and surface wetting properties and is an effective tool that upon application flows into the open capillaries of the concrete displacing air prior to the adhesive.

The effect is synonymous or best described as “burping” the concrete. - the Formulator

Chemical & Physical Properties

Color:	Blue
VOC:	0g/L
Coverage:	500sf/gal
Walkable:	45mins
Packaging:	1gal pail
Odor:	light acrylic
Shipping:	NON-Hazardous

Application

D-Gas should be applied using a standard dust broom. The wide broom maximizes efficiency and gives a slight textured surface that only enhances the priming effect. Drag or push the D-Gas over the surface as you would sweep water. Ensure an even application by avoiding puddles, re-sweep these areas if necessary.

Viscosity is adjusted to obtain ideal film thickness of 0.1 - 0.5mil. In order to obtain satisfactory cure, allow approximately 45mins prior to Aquaflex adhesive application. Cure rate can vary with the film thickness applied and atmospheric humidity.

Blue product color will disappear upon cure. To insure that a proper film is achieved look for intermittent gloss development of coating as a positive indicator.

Once the D-Gas polymer has time to set up it will provide a pristine surface perfectly primed for Aquaflex adhesive application.

Do not create a continuous gloss sheet.

Storage and Safety

Aquaflex D-Gas should be stored in a cool, dry environment safe from exposure to oxidizers or caustics. Even though this product is solvent free, proper ventilation is recommended according to the requirements per CRI 104. This product is freeze/thaw stable to 0F. Do not reuse empty containers and keep all containers closed when not in use.

Exposure

Eyes: Flush with water. Skin: Wash skin with soap and water when in wet state, when dry use a solvent (following manufacturers directions) to clean skin. Ingestion: For small amounts rinse mouth with water, for large amounts do not induce vomiting and contact a physician.

FIRST AID: (Reference SDS for complete details).