606-6 Lane Avenue North
Jacksonville, FL 32254
Phone (904) 693-8800 FAX (904) 693-8700
www.plexi-chemie.com

Product Data Sheet For:

PLEXI*BLEND*

High Tech-Flooring (HTF)

Description

Plexi*Blend HTF* is an innovative one –step seamless flooring system that offers an affordable alternative to terrazzo. It combines striking natural marble compound and quartz aggregate to form an endless possibility of an easy to clean, attractive, chemical resistant surface. **Plexi*Blend* HTF** is a monolithic, flexible, sanitary flooring system installed at 1/8 – 3/16 inch thick. Plexi*Blend* High Tech Flooring meets all of the USDA guidelines for use in federal inspected facilities.

Plexi*Blend HTF* is a green product with no volatile organic compounds. It comes in a wide variety of colors and textures. This is a perfect flooring alternative to tile, VCT, and linoleum.

Typical Advantages

Plexi*Blend* HTF applications may vary from manufacturing facilities, food plants, pharmaceuticals, labs, hallways, offices, cafeterias, restaurants, holding areas in healthcare, educational facilities, and correctional facilities. **Plexi*Blend* HTF** is very attractive, functional, easy to maintain and low maintenance.

Plexi*Blend* HTF is available with Bio-Inhibitor antimicrobial. This treatment will provide the floor with long-term protection against a broad spectrum of bacterial and fungal attack. It is formulated into the flooring system from the basecoat up through the topcoat.

Limitations

Do not apply in temperatures less than 50ºF or greater than 95ºF. (Material cures slower at cooler temperatures and working time will be substantially reduced at higher temperatures.) Both components should be stored in a dry place at temperatures between 65ºF and 80ºF. Do not apply to slabs on grade unless a heavy, un-ruptured, vapor barrier has been installed under the slab. Do not thin. Substrate temperature must be at least 5ºF above the dew point.

Installation

1. Prepare concrete according to proper mechanical preparation, i.e. (Grinding, Shot blasting)
2. Mix each premeasured unit consisting of one unit epoxide resin to one unit of epoxide hardener and 30lbs of blended color marble compound and quartz aggregate.
3. This blend is then troweled on to a properly prepared surface.
4. After an eight hour cure time it is then sufficient to topcoat with **Plexi*Crest* XP** (Polyaspartic Urethane)
5. After 2hrs. Apply final lock coat of **Plexi*Crest* XP** @ 3-5 mils.

Surface Preparation

Concrete:

Proper surface preparation is critical to ensure adequate bond. **Plexi*Blend* HTF** can be applied over almost all sound surfaces but they must be free of inhibiting materials such as, grease, oils, fats, loose or foreign materials and laitance. Laitance and unbounded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture. For recommendations or additional information regarding substrate preparation, contact Plexi-Chemie, Inc.

Wood Floors:

Plywood floors should consist of at least 5/8" of material with offsetting joints, and be screwed, not nailed, into 16" joists.

Quarry/Ceramic Tile:

Quarry/ceramic tile, along with the grout, must be thoroughly cleaned. Any loose tile must be removed and filled in with Plexi*Patch* QC patching underlayment. Glaze must be removed from the tile prior to installing Plexi*Blend* HTF.

Priming

No Priming is required **as Plexi*Blend* HTF** is very resin rich product.

Packaging/Coverage

At 1/8th inch thick each unit will cover 22 square feet.
At 3/16th inch thick each unit will cover 18 square feet.

Colors

Available in standard and special color blends. (See Color Chart)

Typical Physical Properties

Compressive Strength, psi ASTM-D-579	17,500 psi
Tensile Strength ASTM-D-309	7,250 psi
Flexural Strength ASTM-D-580	10,500 psi
Bond Strength ASTM-D-7234	≥400 psi
Impact Resistance	>2.04 x 10^3 psi

ASTM-D-4226	
Indentation ASTM-D-2794	0.7
Heat Resistance ASTM-D-2794	185˚F-200˚F
Hardness D2240 Shore D	≥90
Flammability D-635	Self Extinguishing
Impact Strength Mil D-3134	No Chipping
Coefficient of Linear Expansion ASTM-D-696	2.6×10^{-5} in/in˚F
Abrasion Resistance ASTM D-4060 Tabor C17	.12gm
Water Absorption	0.02%
Antimicrobial	Passes

Notice: The technical data contained herein are true and accurate to the best of our knowledge. All products are offered and sold subject to Plexi-Chemie Standard Conditions of Sale. Published technical data and instructions are subject to change without prior notice.

Please be sure the Material Safety Data Sheet is read and understood before using any Plexi-Chemie product.