

# PS-412-4

## Acrylic Resilient Flooring Adhesive

**Extremely aggressive tack**  
**Easy to trowel**  
**Low odor**

**Cobalt PS-412-4** is an acrylic adhesive with extremely aggressive tack, formulated to provide high shear and peel strength for installing luxury vinyl tile (LVT), vinyl plank, vinyl sheet flooring, vinyl-backed and non-vinyl backed modular carpet tile and vinyl composition tile (VCT). **Cobalt PS-412-4** forms a secure plasticizer and moisture resistant bond to most types of vinyl flooring. This high solids adhesive is also non-staining and contains an antimicrobial system to protect the adhesive from bacterial and fungal growth.

#### PRE-INSTALLATION:

Important: Proper substrate preparations are essential. Moisture testing must be performed and documented before installation begins. Read Technical Bulletin titled Substrate Preparation for complete instructions before beginning installation.

#### USAGE:

Follow floor-covering manufacturers' installation instructions and proper adhesive application rate. All substrate preparation and testing procedures must conform to appropriate ASTM F710 guidelines, and comply with the floor-covering manufacturer's specification.

**NOTE:** It is up to the end user to determine the coverage that is appropriate for flooring and jobsite conditions. Bond testing prior to the installation will help identify the appropriate application rate, open and working time, and any potential bonding problems to the substrate or flooring. Follow the flooring manufacturers' installation instructions and guidelines regarding adhesive application rate and method. Always roll the installation in both directions with a 75-100 lbs. 3-section roller immediately after flooring is placed and positioned, ensuring complete contact with adhesive.

#### INSTALLING CARPET TILE:

Spread the adhesive with an appropriate trowel or paint roller, and allow to dry completely before placing tiles for a releasable installation. Drying time is approximately 30 minutes, depending on ambient humidity and temperature.

#### POROUS SUBSTRATES:

Vinyl sheet flooring may be placed into adhesive after 10-20 minutes open time (flash-off) over a porous substrate.

When installing vinyl plank and tile over a porous substrate, the adhesive should be allowed to dry to the touch sufficient to prevent slippage. Loss of adhesion can result if the flooring is not installed within the working time of the adhesive.

#### NON-POROUS SUBSTRATES:

Install vinyl sheet, tiles and plank flooring into adhesive as it becomes dry to the touch with little or no transfer to finger when touched. This will normally require 30-60 minutes of drying time at suggested installation temperature and humidity. Do not install flooring into wet adhesive on nonporous substrates.

#### TRAFFIC:

Follow the flooring manufacturers' installation guidelines; otherwise restrict foot traffic for 24 hours after installation. No heavy traffic, rolling loads, or furniture placement for 72 hours after installation. Additional time may be necessary if the installation is over a non-porous substrate. Allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance.

#### CLEAN UP:

Use a clean wet cloth to clean up adhesive while still wet. Dried adhesive may require the use of an appropriate solvent.

#### FLOORING TYPES AND COVERAGES:

Luxury vinyl tile (LVT), Luxury vinyl plank (LVP), Vinyl sheet flooring, Vinyl composition tile (VCT), Use a 1/16" x 1/32" x 1/32" U-notch trowel. Coverage will be between 220-260 sq. ft./ gallon

Vinyl-backed modular carpet tile, Non-Vinyl-backed modular carpet tile Use a 1/16" x 1/32" x 1/32" U-notch trowel. Coverage will be between 220-260 sq. ft./ gallon

**IMPORTANT:** Use the specified trowel, and replace the trowel blade when worn to ensure proper spread rate. Adhesive application must be sufficient to achieve 100% transfer of adhesive to the backing of the floor covering.

#### LIMITATIONS:

Do not allow product to freeze. Do not use on substrates that have been chemically cleaned or over treated plywood. Do not use to install vinyl-backed flooring over asphalt-based (cutback) adhesive residues.

#### SUBSTRATE CONDITIONS:

Use on concrete substrates with up to 90% RH for flooring installed on or above grade (per current ASTM F2170), and pH of 8.0-10.0.

### Cobalt Surfaces

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**LEED v4 Program Credits** (where applicable)

- IEQ Credit 4: Low Emitting Materials
- VOC content is below that established by California SCAQMD Rule 1168.
- Compliant with CA Section 01350

**Trowel Identification:** (Images are not to scale, always use the proper trowel and replace blade when worn to achieve correct coverage)

1/16" x 1/32" x 1/32"

