



The Chemical Company

PRODUCT DATA

9 09 60 00 **Flooring**

CHEMREX® CX-1000

Hybrid Premium Wood Flooring Adhesive

Description

Chemrex® CX-1000 Hybrid Premium Wood Flooring Adhesive, is a solvent free, zero VOC, 100% solids formulation for the interior installation that delivers the ideal Performance and Handling Characteristics desired by most contractors in the installation of parquet, engineered wood plank, acrylic impregnated plank, pre-finished and unfinished flat milled solids and shorts, bamboo and exotic species wood flooring. CX-1000 has good early strength buildup that gradually builds into a tenacious but resilient bond. CX-1000 moisture resistance – less than 3.0 lbs./1000 sq. ft./24 hours using an anhydrous Calcium Chloride Moisture test according to ASTM F-1869 method.

Yield

See table

Packaging

4 gallon (15.2L) pails

Color

Tan, smooth, easy-to-spread paste

Shelf Life

1 year

Storage

Store in unopened container at 70°F (21.1°C).

Features

- Superior Bonding
- Superior Trowelability
- Holds Ridges
- Green Grab
- Superior Clean-ability
- Solvent free
- Zero V.O.C.
- Non-flammable
- Isocyanate free
- One hour Plus working time

Benefits

- Long Term Wood Flooring Performance
- Ease of Installation
- Improves Adhesive Transfer to Wood Flooring
- Ease of Installation
- Reduces Call backs and Flooring Replacement
- Very low odor & VOC
- Meets all existing indoor air quality standards
- No special fire precautions needed during application
- Environmentally & Installation Friendly
- Ease of Installation

How to Apply

Surface Preparation

Substrate must be sound, smooth, level, clean and dry. It must be free of dust, dirt, wax, loose paint, incompatible curing compounds or fire retardant chemicals, fungicides, release agents, sealers, or any other foreign substances that might interfere with a good bond. Substrate must be level to 3/16" in a 10 ft span (4.8 mm in a 3.048 m span). Approved substrates are: APA grade underlayment plywood, association grade particleboard, cork underlayments, existing well-bonded vinyl tile and sheet flooring, terrazzo, cementitious and anhydrite underlayments, concrete, and radiant heated subfloors where temperatures do not exceed 85°F. Note: When installing thin gauged wood (solid or engineered) irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore substrates must be properly leveled to prevent telegraphing. Fill all cracks, holes and low

spots with Chemrex® Polymer modified cementitious patching (LevelPrep, LevelPatch) and self-leveling (CX-SLU) underlayment and allow to fully cure before applying adhesive. High spots must be ground level. Substrate, adhesive and wood flooring must be acclimated in an enclosed building with the HVAC operational and running for at least 72 hours before, during and after the installation. The installation temperature and relative humidity must be controlled between 65° and 85°F, and between 30% and 65% relative humidity, subject to the floor manufacturer's requirements. Open time will vary with temperature and humidity or porosity of the substrate. Note: Wood flooring must be exposed to the air when being acclimated. Follow the wood flooring manufacturer's guidelines regarding site conditions and installation.



Technical Data

Typical Properties

PROPERTY	VALUE
Polymer type	Hybrid
V.O.C.s	0g/L
Working time	Approximately 60-80 minutes at 70° F and RH 40%
Freeze-thaw	Stable

Waterproof when fully cured

Yield

FLOORING PRODUCT	TYPICAL TROWEL SIZE AND NOTCH	COVERAGE
Engineered Plank 3 and 5 Ply	3/16" x 5/32" V notch	60 -70 sq. ft./gal
Engineered Plank greater than 1/2" and 3/4" Parquet	1/4" x 1/4" x 1/8" Square notch	40-50 sq. ft./gal
Finger Block Parquet	1/8" x 1/8" x 1/8" square	80 - 90 sq. ft./gal
Solid Planks, Flat Milled Solids and Shorts, Plywood to concrete	1/4" x 1/4" x 1/4" Square notch	Up to 60 sq. ft./gal

The trowel sizes suggested will maximize adhesive coverage. The coverage required for laminated plank is 80%; for solid woods, 95%. Check periodically during installation. If subflooring is uneven, use a leveling or patching material beforehand or use a large notched trowel to provide the appropriate coverage. If insufficient transfer occurs, additional CHEMREX® CX-1000 will need to be applied.

Application

1. Follow wood flooring manufacturer's guidelines for layout, design and any special precautions for installation.
2. Spread adhesive using recommended trowel for the type of wood flooring to be installed. Working time is approximately 60-80 minutes under acceptable temperature & humidity conditions. Adhesive must transfer 100% to the wood floor. NOTE: Thin-gauged solid wood and exotic species are very sensitive to job site conditions. Wood flooring manufacturer's and BASF Construction Chemicals written pre-installation instructions must be strictly followed or the warranty will be void.
3. Lay wood flooring into adhesive. Wood may slip and move so be sure to secure the initial row to limit movement and hold patterns. Occasionally lift a piece of wood to assure adhesive is achieving 100% transfer. If proper transfer is not achieved remove dried adhesive and apply more using recommended trowel. The use of blue tape to temporarily hold the edges together may be necessary until installation is complete.

4. When installing near a solid object or wall, leave ample room for expansion (see flooring manufacturer's recommended expansion guidelines). Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. When installation is complete, use wedges or some object to hold wood in place while adhesive dries. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.
5. Roll and cross roll floor with a 100-150 lb. (45.36-68.04 kg) roller at the end of the installation to ensure proper transfer of adhesive.
6. When installing unfinished solid wood flooring, wait a minimum of 72 hours before sanding.
7. When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and 24 hours after installation. Failure to turn the heat off may result in shortened working time of the adhesive. Floor temperature must not exceed 85°F (29°C).
8. Restrict light traffic for a minimum of 16 hours. Restrict heavy traffic for a minimum of 24 hours after installation is complete.

Clean Up

Remove wet adhesive with a dry cloth. If adhesive dries, remove with plastic tool, rag, or materials that will not damage flooring surface and apply Chemrex® CX Adhesive Remover if necessary.

For Best Performance

- Do not apply on frozen surfaces or standing water.
- Avoid contact with water or alcohol before use and before complete cure.
- Do not use in areas subject to hydrostatic head pressure.
- Do not use on wet, contaminated, or friable substrates.
- The maximum acceptable floor variation is 3/16" (4.76 mm) in 10 feet (3 m) or 1/8" (3.75 mm) in 6 feet (1.8 m).
- Do not use as a leveling agent.
- Do not set flooring into an adhesive that has a dry skin.
- Installation over well bonded vinyl tile and sheet flooring may require surface abrasion prior to application of the adhesive.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.

- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.
- Acclimatize all flooring and adhesive to the normal working conditions of the area being covered.
- Be sure to shut off radiant floor heating 24 hours prior to application of flooring.

Health and Safety

CHEMREX® CX-1000

WARNING!

CHEMREX® CX-1000 contains Crystalline Silica, Limestone, Diisooctyl Phthalate.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation. Repeated ingestion may cause kidney damage. Contains crystalline silica. NTP and IARC recognize respirable crystalline silica as a human carcinogen. The exposure to crystalline silica during the normal use of this product will be little or none.

Precautions

Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Proposition 65

This product contains material listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

0 g/L or 0 lbs/gal less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

Limited Warranty

BASF provides a limited warranty on its products. For the complete limited warranty statement please refer to product data sheet available through BASF Construction Chemicals or your local BASF distributor.

**BASF Construction Chemicals, LLC –
Building Systems**

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, **BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto.** Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all **CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND.** BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1034192 9/07

Printed on recycled paper including 10% post-consumer fiber.

© 2007 BASF
Printed in U.S.A.