

ARMORCRETE 2000

Three components Urethane Cement Slurry

PRODUCT DESCRIPTION

Armorcrete 2000 is a three components, thermal shock-resistant, urethane slurry (broadcast optional), non-slip flooring system. Available in a variety of colors and engineered to be FDA and USDA acceptable for applications in food manufacturing, packaging and serving facilities

ADVANTAGES

- Withstands steam cleaning on a daily basis
- Non slip when wet, will withstand severe traffic exposure.
- Resistant to extreme hot and cold changes in temperature
- Passes ADA recommendations
- Meets or exceeds FDA AND USDA guidelines
- Does not support bacterial growth
- Resistant to high levels of relative humidity in substrates
- Self-leveling, water based, & VOC compliant formulation
- CA 01350 indoor air quality compliant
- Does not contain phthalates

USES

- Meat/Poultry and Dairy Processing
- Breweries, and wineries
- Pharmaceutical Plants
- Commercial Kitchens and Restaurants
- Processing Areas
- Automotive Service Bays
- Cold storage facilities

APPLICATION GUIDELINE

Surface preparation:

Adequate and detailed surface preparation is essential for durability of product after installation. Before application surface must be clean, dry and without contamination. The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5Mpa. A working vapor barrier on all on grade substrates is recommended.

Mixing & Application:

Pour part A and part B and begin to immediately add the part C mortar mix. Mix for two minutes. Note: If the aggregate is not thoroughly mixed and all Portland cement is not thoroughly mixed in the slurry, blisters may develop in the finished floor. Pour the mixed slurry immediately onto the prepared substrate and spread with the gage rake at desired thickness. Allow to set 2 minutes and back roll with a porcupine roller to help release air bubbles. Broadcast aggregate immediately.

Additional basecoats can be applied after 5-6 hours if necessary to build up the thickness if heavy thermal shock attack is anticipated. After final base coat is cured, sweep up and vacuum excess sand or media and apply the selected topcoat.

Some chemicals may cause discoloration but this will not affect the performance of the floor. Test for discoloration before use if this is a concern.



ARMORCRETE 2000

Three components Urethane Cement Slurry

TECHNICAL DETAILS

| PROPERTY | TEST | RESULT |
|--------------------------|-------------|-----------------------------------|
| VOC Content | N/A | N/A |
| Shore D Hardness | ASTM D-2240 | 80-85 |
| Compressive Strength | ASTM C-579 | 12,900 psi |
| Tensile Strength | ASTM D-638 | 4,400 psi |
| Flexural Strength | ASTM D-790 | 6,300 psi |
| Adhesion | ASTM D-4541 | >400 (100% concrete failure) |
| Impact Resistance | ASTM D-2794 | Pass |
| Abrasion Resistance * | ASTM D-4060 | 2mg loss |
| Thermal Shock Resistance | MIL F-52505 | Pass (230F) Force Hot Steam |
| Flammability | ASTM E-648 | Class 1 |
| Indoor Air Quality | CA-01350 | Compliant |
| Coefficient of Friction | ASTM D-2047 | 0.9 (Passes ADA recomendation) |

LIMITATIONS, STORAGE & SHELL LIFE

- This product has been engineered to meet demanding standards.
- Only mix whole complete units to assure the performance criteria in this data sheet.
- Do not use partial units or try to break down the unit as the performance will be compromised.
- Do not allow this product to freeze.
- Store in a dry environment between 50-85 F.
- Shelf Life is 6 months from the date on the label in the original unopened containers.

COVERAGE

- 2 square meters at 6.35 mm thickness
- 1.2 square feet at 9.52 mm thickness

PACKAGING

- Part A: 1.1 gallon in 2 gallon pail
- Part B: 0.692 gallon in 1 gallon pail
- Part C: 40 lb. plastic lined bag of cement mortar

LIMITED WARRANTY

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

Armorsil Manufacturing supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. Armorsil Manufacturing does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to Armorsil Manufacturing in writing within seven working days of being detected.

Armorsil Manufacturing. Makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. Neither seller nor Armorsil Manufacturing shall be liable to the buyer or any third person for any injury, loss or damages of any sort including remote or consequential damages, down time, or delay directly or indirectly resulting from use of or inability to use the product. . The information contained in the latest data sheet supersedes all previously published editions. Visits to site by Armorsil personnel do not constitute supervisory responsibility. Armorsil reserves the right to alter the information contained in this datasheet without prior notice

