CHEMLINE 3200-CRL Technical Data

Chemical Resistant Liner

DESCRIPTION: Chemline 3200-CRL Thermal Setting Liner is an epoxy monolithic liner formulated for the ultimate in chemical and abrasion resistance in extreme corrosive atmospheres. It has excellent moisture tolerance and withstands temperatures up to 300 deg. F. This extremely durable liner has excellent adhesion to concrete, metal or wood and should be used wherever maximum performance is needed in extremely aggressive chemical environments.

RECOMMENDED USES: Clarifiers - Trough Walls - Pumps - Ventilation Systems - Foundations - Trenches - Chutes - Conveyors - Troughs - Tanks - Fourdrinier Pits - Conveyor Tunnels - Acid Pits - Sandhoppers - Stacks - Dams - Bridges

CHEMICAL RESISTANCE:

Sodium Hypochlorite	5.25% @ 100 deg. F.	Good, only slight discoloration after 8 mos.
Sulfuric Acid	5% @ 100 deg. F.	Good, only slight discoloration after 8 mos.
Paper Mill Liquor	100 deg. F.	Good, only slight discoloration after 8 mos.

For additional chemical resistance, please consult the Parker Technical Department for your specific requirements.

PHYSICAL CHARACTERISTICS:

Compressive strength, ASTM D695:	13,000 - 15,000 psi
Tensile strength, ASTM D638:	1,500 - 2,500 psi
Flexural strength, ASTM D790:	5,300 - 6,000 psi

FINISH: Smooth - Glossy
VOLUME SOLIDS: 100%
FLASH POINT: Not applicable
SUGGESTED THICKNESS: 1/8”
THEORETICAL COVERAGE: 11 sq. ft.* per batch at 1/8”. *Material losses during mixing and application vary and must be taken into consideration when estimating job requirements.
COLOR: Amber
PACKAGING: 1 unit = 3 batches
1 batch = 1 pint can (short filled) Part A, Activator
1/2 gallon can (short filled) Part B, Base
Liner aggregate Part C, 16 pounds
SHIPPING WEIGHT: 1 unit = 60 lbs.
U.S.D.A. APPROVAL: Yes

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SURFACE PREPARATION: NEW CONCRETE must have a minimum 28 days cure, and no curing agents shall be used. Remove all grease or other loose foreign materials or contaminants. A good bonding tooth is necessary. To provide bonding tooth, prepare the surface by sandblasting, scarifying, shot blasting or acid etching. OLD CONCRETE: Remove all powdery and weak concrete. Make sure all wax, dirt, grease and other contaminants have been removed. Once the concrete has been cleaned, one or more of the following methods shall be used to prepare concrete for proper bonding. Sandblast with fine sand at reduced pressure, shot blasting, scarifying or acid etching. All surfaces must be dry before application. METAL SURFACES should be cleaned by solvent degreasing followed by abrasive blasting to near white SSPC-10-70 or NACE #2 with a 4 mil minimum anchor pattern or "tooth".

PRIMER: Mixture of one Part A to one Part B.

MIXING: Empty the contents of Part A into Part B and stir thoroughly for approximately two minutes. Empty the mixture into a mixer or mortar box and slowly mix in Part C. Mix approximately three minutes.

POT LIFE: 15-20 minutes at 70 deg. F. and 50% R.H.

APPLICATION TEMPERATURE: Material temperature should be 70 deg. F. to 85 deg. F. for at least 48 hours before application. Do not apply when surface temperature is below 50 deg. F.

SERVICE TEMPERATURE: 300 deg. F. - Dry heat

CURE TIME: Chemline will harden in about eight hours at 70 deg. F. Cure time is 72 hours at 70 deg. F. The higher the temperature, the faster the cure. For example, at 170 deg. F., cure time is approximately four hours. Maximum chemical resistance occurs after seven days at 70 deg. F.

APPLICATION: Spread mixed mortar evenly over surface. Build up low spots to desired thickness, using margin trowel or steel finishing trowel. Finish each batch as you go. If using primer, Chemline must be applied before primer has hardened. Primer will harden in approximately one hour at 70 deg. F. If primer hardens before liner is applied, it must be whip blasted, removing all gloss before topcoating.

CAUTION: It is recommended that the personnel observe good personal hygiene. Certain personnel may be sensitive to various types of resins that may cause dermatitis. Do not use in confined space or closed area without adequate ventilation. This product may be irritating to eyes and skin. Avoid contact with liquid components A and B and keep mortar from touching tool handles and clothes. Use coveralls, goggles, rubber gloves or protective cream. Always wash thoroughly with soap and warm water after use. Should accidental eye contact occur, wash thoroughly with water and consult a physician immediately. U.S. Department of Labor approved material data sheet is available.

LIMITED WARRANTY: The Manufacturer warrants this product to be free from defects in material and workmanship under normal use and service for a period of one year of the date of purchase. The Manufacturer's sole liability shall be limited to replacing this product if, within one year of the date of purchase, it is shown to be defective. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MECHANTABILITY AND FITNESS OF PURPOSE. THE MANUFACTURER SHALL NOT BE LIABLE FOR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY KIND. This warranty shall not be extended, altered or varied except by a written instrument signed by the Manufacturer.