

Pro-Seal Power Kote Casting Grade[®]

Green Nano Polycarbon/polycarbonate Casting Entombment Repair and Reclamation Compound



Power Kote Casting Grade™ is a three component casting or entombment material for reclaiming structural integrity after substrate degradation. **Polycarbon/polycarbonate integrated technology.*

- Easy to install
- Use with Power Kote Injection Grade for increased structural integrity.
- Cast this product around a structure to maintain and or increase structural integrity as well as aesthetic quality

Applications for structural casting repair:

Foundations, Piers, Bridges, Cosmetic structural enhancement projects; Casting and entombment projects.

Application Instructions: Surface must be dry, clean and free of all loose particulate and bond-breaking matter. For specific application instructions or guide specifications, contact Pro-Seal's Technical Department at 800.349.7325 or information@prosealproducts.com

Technical

Information	Value
Material	3 part
Mix time	4-6 minutes
Appearance	Paste
Pot life	1 hour
Flash point	500°F
Cure time to pull forms	6-96 hours
Full cure	96-144 hours
Stain resistance	Excellent
Packaging:	5 or 55 gallons

Specifications

Test	Data	Value
ASTM D 695	Compressive strength	18,000 psi
ASTM D 1706	Cured hardness	82 shore D
ASTM D 790	Flexural strength	7,000 psi
ASTM D 1002	Adhesive tensile sheer	3,000 psi
ASTM D 638	Tensile strength	5,000 psi
ASTM D 2566	Cure shrinkage	.002 inches
Taber abrasion resistance	1,000 gm head cs 17 wheel weight loss 1,000 cycles	.00 mg
Taber abrasion resistance	1,000 gm head cs 17 wheel weight loss 350,000 cycles	.006 mg
FST 141 A	Method 4291 @ 75°F	5,00 cps

* Data based on laboratory tested materials.

Chemical Resistance

Cured material	Rating
Hydrochloric acid	Excellent
Sulfuric acid 60%	Fair
Nitric acid	Fair
Chromic acid	Fair
Kerosene	Excellent
Methanol	Very good
Toluene	Very good
Ammonia	Excellent
Nitrates	Fair
Sulfates	Very good
Phenol	Fair
Sodium hydroxide 10%	Excellent
Chlorinated solvent	Very good

Technical Support: Contact our technical dept. at 800.349.7325, information@prosealproducts.com or visit our website www.prosealproducts.com for additional information.

Cautions: Keep out of reach of children. May cause skin or eye irritation. This product may be harmful if swallowed. Do not induce vomiting. Use in well ventilated areas. Contact a physician immediately and always seek a physician's advice regarding first aid. Use only in commercial or industrial applications. Use only on intended surfaces. Contact manufacturer for specific application uses. See material safety data sheet for additional cautions.

Limited Warranty: We warrant our product to be free of defects in material and workmanship; and to be in accordance with our company quality control standards. All data, statements, and recommendations, made herein are based upon information we believe to be reliable, but are made without any representation, guarantee, or warranty of accuracy. Our products are sold on the condition that the user himself will evaluate them, as well as our recommendations, to determine their suitability for the user's own purpose before adoption. Also, statements regarding the use of our products or processes are not to be construed as recommendations for their use in violation of any patent rights or in violation of any applicable laws or regulations. Liability under any condition shall be limited to replacement of material only.



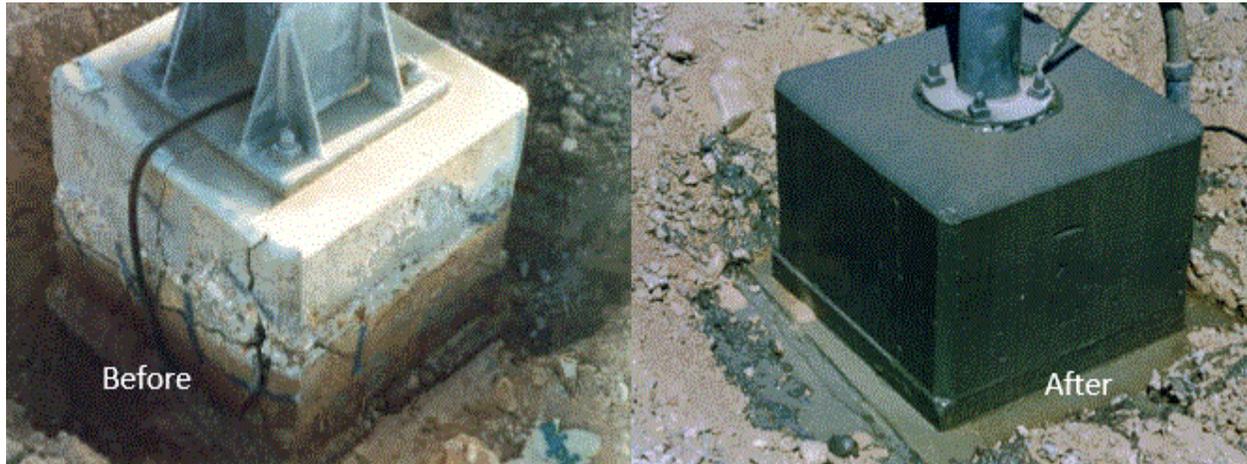
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As a result of Alkali Reactive Aggregate (ARA) these bases at a Southern Call Edison power transfer station structurally deteriorated, see above. Pro-Seal was asked to develop a cost-effective solution. The challenge: Repair and structurally reinforce the existing concrete tower and pole anchoring's, reclaim the concrete, and contain the PCB leaks. If this could not be done the alternative was to build a new station next to the existing station and tear down the existing station when the new station was put online, costing the power company tens of millions.

The Pro-Seal designed solution was a system incorporating Pro-Seals DP-36® to stop the ARA activity in its tracks, glue the concrete back together with Pro-Seal Power Kote Injection Grade® and entomb the bonded bases within Pro-Seal Power Kote Casting Grade® material.

To contain PCB Pro-Seal DP-36 extractant was used to remove PCB's and Pro-Seal UltraShield US IIA was used to coat and seal the concrete effected.

The result, above, we have a reclaimed concrete structure cast and entombed in Pro-Seal Power Kote Casting grade® materials that is functional.

This new reclaimed structure is literally six times stronger than the original structure and has an extraordinarily long service life even in the extreme heat of the desert climate this station is located in.

For more information and guide specifications designed to your project contact Pro-Seals technical services at 800 347 735 USA/ Canada, Int'l +1 206 451 9527

When you do it, do it green, do it Nano, with Pro-Seal Products.



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