



ARCOR
EPOXY TECHNOLOGIES



DAIKOTE
INNOV8TIVE SOLUTIONS



ARCOR® has designed and manufactured high performance epoxy coatings and metal rebuilding compounds since 1982. Our products are 100% American made and sourced inclusive of packaging. Our offices are in Boston, Massachusetts and New Orleans, Louisiana with supporting sales offices in Houston, Texas; Little Rock, Arkansas; Dallas, Texas; Chicago, Illinois and Seattle, Washington, Australia & South Africa.

All ARCOR® products are designed to be free of solvents. This allows for safe application in all confined spaces and provides for a much faster cure than traditional solvented epoxies allowing for a quicker turnaround of application projects. Faster turnaround lessens downtime for critical components and naturally saves on cost as systems are restored.

ARCOR® has developed a plural component spray system which allows our coatings to be spray applied without the addition of solvents. This brings the advantages of our solvent free epoxy technology to large scale projects with the increased efficiencies of spray application versus hand application.

ARCOR® continually modifies its product offerings to bring the latest in epoxy technology to its customers. We focus on the most rigorous, highest performance raw materials to find the best in chemical, heat and abrasion resistance. Our products are custom designed for specific aggressive industrial uses particularly in immersion environments of saltwater, acids and caustics.

ARCOR® coatings are used extensively for repair and lining of components in many industrial areas including:

We have an extensive list of applications throughout the world including nuclear power facilities in the U.S., Russia, Ukraine, China, Taiwan and Armenia. In fossil power facilities we have installed systems in the U.S., Canada, Russia, Thailand, India, Philippines, England, Belgium, Argentina, Brazil, and Venezuela. We have extensive installations in the Marine industry including over 300 vessels for the U.S. Navy including condensers on several nuclear aircraft carriers and submarines.

Heat Exchanger • Concrete • Demineralization • Condensers • Filters • Crude Oil Tanks • Chillers • Processing Equipment • Chemical Tanks • Potable Water • Tanks • Neutralization tanks • Pumps • Ion Exchange • Condensate Tanks • Waste Water Treatment • Flooring • Caustic Tanks • Secondary Containment • Pipes • Acid Tanks

Our list of customers include General Electric, Dow Chemical, 3M Corporation, British Petroleum, Siemens, Exxon/Mobile, TRANE, Flowserve, Clariant Chemical, Johnson Matthey, Champion International, Scott Paper, International Paper, 33 Nuclear Power plants in the U.S. and 17 overseas.

ARCOR - BELZONA - NORDBAK EQUIVALENTS TABLE



ARCOR	EE 94	EE 94HW	EE 92	S 20	S20 HT	EE121	EE121 HT	ARCTHANE	ARCRETE	SPRAYTHANE	2211	EE 80	EE 95	EE 99/25551	EE 11	EE 15	EE 16
BELZONA	1811/1812	None	1311/1511	1321	1391	4341	1593	2111/2211	3111/4111	2121/2131/2141	1111	6111//4151	1121	1211/1291	4311	1341/5811	5811
NORDBAK	None	None	Hi Impact Wearing Compound	Nordcoat 2	Nordcoat 2	Nordcoat 7	None	None	None	None	None	Nordcoat 6	None	Steel Trowel Mix	Nordcoat 7	Nordcoat 7	None
NORDBAK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Nordcoat 2	Nordcoat 2	
NORDBAK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	PS1	PS1	

The information and or recommendations contained herein are based on standard Product and are proprietary and furnished solely for the use of our customers. This information is provided in good faith and believed to be true and accurate as of the date/version of this document. ARCOR® epoxy products do not provide structural integrity or improvement. They are only used to provide protection from corrosion, wear, abrasion and chemical attack on a given substrate and only to the extent provided for in the Data Sheets, Technical Data Sheets, Safety Data Sheets and any other information as supplied in writing directly from manufacturers technical support.

ARCOR PRODUCT SHELF LIFE: 5 years at 55-95°F, 13-35°C

UNDERSTANDING SURFACE PREPARATION GUIDELINES / ARCOR DATA SHEETS

What does SSPC stand for:










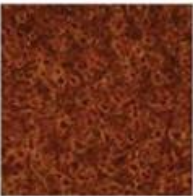









The **Society for Protective Coatings** is the leading source of information on surface preparation, coating selection and application, environmental regulations, and health and safety issues that affect the protective coatings industry

EXAMPLE

ARCOR S-20 (DATA SHEET)

SURFACE PREPARATION:

Steel surfaces are to be abrasive blasted with chloride free abrasive. Exterior to **SSPC SP-10** Near White Metal finish. Immersion applications to **SSPC-SP-5** White Metal. Grind flat all burrs, weld seams, radius edges. Fresh blasted surfaces to be primed with ARCOR® S-30Prime, EE-11 Prime, EE79, EE-10 or S-20

	UNBLASTED	Comparable guide to BRUSH-OFF SSPC-SP-7 (NACE No 4 / SA1)	Comparable guide to COMMERCIAL SSPC-SP-6 (NACE No 3 / SA 2)	Comparable guide to NEAR-WHITE METAL SSPC-SP-10 (NACE No 2 / SA 2 ½)	Comparable guide WHITE METAL SSPC-SP-5 (NACE No 1 / SA 3)
RUST GRADE A		This condition cannot be attained when removing adherent mill scale			
RUST GRADE B					
RUST GRADE C					
RUST GRADE D					

CREATING AN ANCHOR PATTERN FOR SURFACE COATINGS

What is an Anchor Pattern for Coatings

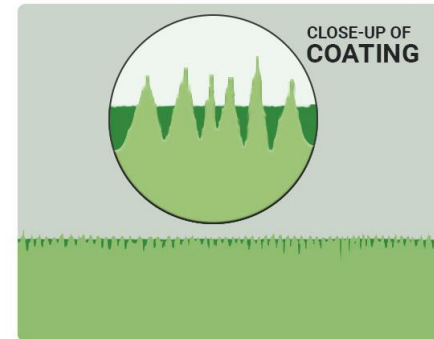
A surface is rarely completely smooth, even if it appears so to the naked eye. There are always craters, pits, cracks and ridges that form a unique pattern, or surface profile, which must be taken into account when applying a coating. When people talk about the surface profile they refer to the level of roughness of the substrate, also known as the anchor pattern. A surface profile (anchor pattern) can be produced by propelling abrasive particles with compressed air at a high velocity, through a blast nozzle, on to a surface. The abrasive particles cut into the steel to form peaks and valleys on the surface. The resultant profile (peaks and valleys) provides an anchor pattern for the applied coatings to grip onto. The anchor pattern also provides an increase in surface area giving the product more area to grip onto therefor creating a stronger bond between surface and coating.

Best Practices for Anchor Patterns

When you blast a metal surface down to white or near white-metal, you should coat the surface quickly, so flash rusting does not occur.

If the valleys in the anchor profile are too deep, the peaks will protrude above the layer of coating. This causes poor bonding, and can cause the coating to deteriorate before it's time

Pattern is Jagged



Optimal Pattern



If the anchor pattern is too shallow, the paint or coating will not have anything to latch onto, and the coating will fail over time. The smoother the anchor profile, the easier it is to remove, because there is no “grip”

PRODUCT	CHEMICAL RESISTANCE	SPECIFICATION DATA:	PRODUCT DESCRIPTION
EE-92	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max.250°F(177°C) Spike to 350°F(3 hrs) Recommended force cure at 250°F@ 2 hrs. Dry to 400°F (190C) Spike to 500°F (246C)(3 hrs)</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Very Good. Excellent with Polyester or Fiberglass Mat; 1.5 oz/ft2 (.5 KG/M2</p> <p>MIX RATIO: 1:1 by volume (Base: Activator) 100 gm: 100 gm by weight</p> <p>VISCOSITY: 65,000-85,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR™ EE-92 is a solvent free, two-component rebuilding compound designed particularly as a rebuilding/repair material for metals damaged by wear, ,corrosion, erosion, abrasion or cavitation. ARCOR™ EE-92 is non-sagging up to 250 mils, will not shrink when curing, and has excellent adhesion to all metal surfaces. As a Novolac Epoxy EE-92 has excellent resistance in a wide variety of chemical environments</p>
EE-94	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★</p> <p>Organic Solvents: ★★★</p>	<p>TEMPERATURE: Immersion service Max. 280°F; Dry to 450°F</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Fair</p> <p>FLEXURAL STRENGTH: 15,000 psi (ASTM D790/7 days)</p> <p>MIX RATIO: 1:1 by volume (Base : Activator) 100 gm: 90 gm by weight</p> <p>VISCOSITY: Paste</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR™ EE-94 is a solvent free, two component rebuilding compound designed for high abrasion, erosion and impact environments. EE-94 is a Novolac Epoxy filled with ceramic beads giving it the highest level of chemical, heat and abrasion resistance possible in an epoxy system. This self-wetting formulation can be applied without a primer, can be applied at 1" (1000 mils) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimizing application & turn- around time</p>
EE-94HW	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★</p> <p>Organic Solvents: ★★★</p>	<p>TEMPERATURE: Immersion service Max. 280°F (Spike to 320F); Dry to 450°F (Spike to 500F).</p> <p>FLEXIBILITY: Fair</p> <p>FLEXURAL STRENGTH: 16,300 psi (ASTM D790/7 days)</p> <p>COMPRESSIVE STRENGTH: 19,900 psi (ASTM D695/7 days)</p> <p>TENSILE SHEAR: 2,600 psi (ASTM D1002/steel: steel)</p> <p>MIX RATIO: 2:1 by volume (Base: Activator) 100 gm: 50 gm by weight</p> <p>VISCOSITY: Paste</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR™ EE-94 HW is an enhance wear/impact version of EE-94, also with improved chemical and temperature performance. EE-94 HW is a Novolac Epoxy filled with high density ceramic beads giving it the highest level of chemical, heat and abrasion resistance possible in an epoxy system. This self-wetting formulation can be applied without a primer, can be applied at +1" (1000 mils, 25mm) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimising application & turn-around time.</p>
EE-95	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max. 265°F ; Spike to 350°F Recommended force cure 200°F 6 hrs</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Good Fair Flexural Strength 12,000 psi</p> <p>MIX RATIO: 2:1 by Volume (Base: Activator) 100 gm: 47 gm by Weight</p> <p>VISCOSITY: Putty</p>	<p>DESCRIPTION AND RECOMMENDED USES: EE-95 is a solvent free epoxy Novolac designed particularly as a rebuilding material for metals in immersion service. It is Ideally suited for restoration or cladding material for corrosion and abrasion protection of condensers, heat exchangers and FGD units. EE-95 can be applied up to 500 mils without slump</p>
EE 99-KC	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max. 200°F (93°C) ; Dry to 450°F (232°C)</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Fair</p> <p>BOND STRENGTH: 3,000 psi @ 2 hours 3,600 psi @ 24 hours</p> <p>MIX RATIO: 1:1 by Volume (Base: Activator) 100 gm: 119 gm by Weight</p> <p>VISCOSITY: Paste</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR® EE-99 KC is an Epoxy Rebuild and is comparable to our EE-94 in resin design with comparable loading & mesh size of Ceramic Beads. A modification in curing agents provides for rapid set and cure, and return to service is as little as 1 hour. This self-wetting formulation can be applied without a primer, can be applied at +3/4" (750 mils, 18.75mm) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimising application & turn-around time. ARCOR EE-99 KC is a very convenient 2:1 Mix Ratio, by Weight & Volume, ideal for easy breakdown in-field.</p>

PRODUCT	CHEMICAL RESISTANCE	SPECIFICATION DATA:	PRODUCT DESCRIPTION
<p>EE-11 P</p>	<p>Chemical Resistance Chart Water: ★★★★★ Alkalise: ★★★★★ Inorganic Acids: ★★ Organic Acid: ★★ Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max.265°F(130°C); Spike to 400°F(204°C) 3 Hrs Recommended force cure 200°F @ 4 hrs. ABRASION: Excellent MIX RATIO: 2:1 by Volume (Base: Activator) 100 gm :36 gm by Weigh FILM THICKNESS: 15-25 mils/coat, (.38-.62 mm) Immersion:1 coat as prime VISCOSITY: 20,000 – 80,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCORM™ EE-11 Prime is a solvent free, high functionality epoxy Novolac designed as a corrosion inhibiting primer for steel and metal alloys in immersion service. ARCORM™ EE-11 Prime contains Zinc Phosphate which inhibits corrosion of the metal substrate due to diffusion of water and/or salts or mechanical damage to the coating. This effectively eliminates corrosion undercutting of the coating making ARCORM™ EE-11 Prime ideally suited for aggressive water service (salt, brackish). The ARCORM™ EE-11 Prime multi functional chemistry produces a fine multipurpose coating suited for moderate acid and severe caustic service, and elevated service temperatures. ARCORM™ EE-11 Prime is ceramic filled for excellent abrasion resistance. Made flexible for excellent resistance to impact, thermal expansion & contraction and mechanical flexibility.</p>
<p>EE-121</p>	<p>Chemical Resistance Chart Water: ★★★★★ Alkalise: ★★★★★ Inorganic Acids: ★★★★★ Organic Acid: ★★★★★ Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max.300°F(149°C); Spike to 450°F(3 Hrs) Recommended force cure at 250°F@ 2 hrs. Dry to 450°F; Spike to 500°F(3 Hrs) Temperature resistance will vary depending on chemical exposure. ABRASION: Very Good FLEXIBILITY: Good; Very Good with Polyester or Fiberglass Mat. MIX RATIO: 2:1 by Volume (Base : Activator) 100 gm : 50 gm by weight FILM THICKNESS: 20-60 mils (.51- 1.53 mm)/coat VISCOSITY: 120,000-180,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCORM™ EE-121 is a solvent free, high 3.6 functionality epoxy Novolac coating suitable for immersion and non-immersion service. Designed specifically for aggressive chemicals and elevated temperatures versus traditional Epoxy Novolac Resin based coatings. ARCORM™ EE-121 it is designed specifically for use in tough chemical environments especially acids, methanol, ethanol and organic solvents. The integration of Kevlar® fibers produces a tough, highly cross-linked chemical resistant coating with high flexural, thermal, and impact strength as well as excellent wear. Suitable for ferrous and nonferrous metals and concrete for immersion or non-immersion containment</p>
<p>EE-121 HT</p>	<p>Chemical Resistance Chart Water: ★★★★★ Alkalise: ★★★★★ Inorganic Acids: ★★★★★ Organic Acid: ★★★★★ Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max.375°F(190.5°C); Spike to 475°F(246.1°C)(3 Hrs.) Recommended Force Cure at 175°F(79.4°C) @ 2 hrs.; 300°F(148.9°C) @ 3 hrs.; Dry to 500°F; Spike to 580°F(3 Hrs.) Temperature resistance will vary depending on chemical exposure. ABRASION: Very Good FLEXIBILITY: Good; Very Good with Polyester or Fiberglass Mat. MIX RATIO: 3:1 by Volume (Base : Activator) 100 gm: 31 gm by weight VISCOSITY: 100,000-150,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCORM™ EE-121HT is a modified ARCORM™ EE-121 designed to increase temperature performance by up to 100F (depending on application). The increased resistance will have some reduction in performance in highly aggressive acids relative to ARCORM™ EE-121. ARCORM™ EE-121HT it is designed specifically for use in tough chemical environments especially acids, methanol, ethanol and organic solvents with elevated temperatures. The integration of Kevlar® fibers produces a tough, highly cross-linked chemical resistant coating with high flexural, thermal, and impact strength as well as excellent wear. Suitable for ferrous and nonferrous metals and concrete for immersion or non-immersion containment.</p>
<p>S-16</p>	<p>Chemical Resistance Chart Water: ★★★★★ Alkalise: ★★★★★ Inorganic Acids: ★★★★★ Organic Acid: ★★ Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max.130°F(55°C); Spike to 160°F(71°C) (3 Hrs) MIX RATIO: 4:3 by Volume (Base: Activator) 100 gm :68 gm by weight ABRASION: Good FLEXIBILITY: Good Very Good with Fiberglass Mat. FILM THICKNESS: 10-20 mils/coat, (.25-.50 mm) Immersion: 2 or 3 coats VISCOSITY: 130,000 – 260,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCORM™ S-16 is a solvent free epoxy coating designed as a protective coating for metals in immersion service. ARCORM™ S-16 produces a tough, chemical resistant, flexible coating that is ideally suited for aggressive water service(salt, brackish). Enhanced by multi functional chemistry the ARCORM™ S-16 is a fine multipurpose coating suited for moderate acid and caustic service, and is excellent in water environments. A fine general use epoxy. S-16 is; NSF Certified for Potable Water; USDA for Incidental Food Contact in Meat & Poultry Production; FDA Guideline CFR 21 Section 175.300 listed for Repeated Food Contact use.</p>
<p>S-20</p>	<p>Chemical Resistance Chart Water: ★★★★★ Alkalise: ★★★★★ Inorganic Acids: ★★★★★ Organic Acid: ★★★★★ Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service; Max.250°F(177°C); Spike to 350°F(3 hrs) Recommended force cure at 250°F@ 2 hrs. Dry to 400°F(190°C); Spike to 500°F(246°C)(3 hrs) ABRASION: Excellent FLEXIBILITY: Very Good. Excellent with Polyester or Fiberglass Mat. MIX RATIO: 2:1 by Volume (Base : Activator) 2:1 by weight; 100 gm: 50 gm by weight VISCOSITY: 65,000-85,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCORM® S-20 is a solvent free, high functionality epoxy Novolac designed particularly as a protective coating for metals in highly aggressive environments especially high chemical, high abrasion and elevated temperature. Excellent in a wide array of caustics and acids. The ARCORM® S-20 multi-functional chemistry produces an excellent coating suited for aggressive service, and is suitable for immersion in a wide array of chemicals. ARCORM® S-20 can be applied up to 40 mils without slump. Temperature resistance will vary depending on chemical exposure.</p>

PRODUCT	CHEMICAL RESISTANCE	SPECIFICATION DATA:	PRODUCT DESCRIPTION
8508	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: General Immersion service (chemistry dependant); Max. 140°F (60C) (Spike to 200F, 3hrs (93C); Dry to 325°F (163C) (Spike to 450F)</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Fair</p> <p>FLEXURAL STRENGTH: 16,800 psi (ASTM D790/7 days)</p> <p>COMPRESSIVE STRENGTH: 19,900 psi (ASTM D695/7 days)</p> <p>MIX RATIO: 2:1 by volume (Base: Activator) 100 gm : 50 gm by weight</p> <p>VISCOSITY: Paste</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR® 8508 is an enhance wear/impact version of 8507. ARCOR® 8508 is an Epoxy filled with high density Ceramic Beads and high strength Minerals and Fibres giving it the highest level of impact, compression and abrasion resistance possible in an epoxy system. This self-wetting formulation can be applied without a primer, can be applied at +1" (1000 mils, 25mm) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimising application & turnaround time.</p>
8509	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: General Immersion service (chemistry dependant); Max. 140°F (60C) (Spike to 200F, 3hrs (149C); Dry to 325°F (165C) (Spike to 450F)</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Fair</p> <p>FLEXURAL STRENGTH: 14,000 psi (ASTM D790/7 days)</p> <p>COMPRESSIVE STRENGTH: 17,480 psi (ASTM D695/7 days)</p> <p>MIX RATIO: 2:1 by volume (Base: Activator) 100 gm : 50 gm by weight</p> <p>VISCOSITY: Paste</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR® 8509 is an Epoxy Rebuild and is comparable to our 8507 in resin design with comparable loading & mesh size of Ceramic Beads. A modification in curing agents provides for rapid set and cure, and return to service is as little as 1 hour. This self-wetting formulation can be applied without a primer, can be applied at +3/4" (750 mils, 18.75mm) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimising application & turn-around time. ARCOR 8509 is a very convenient 2:1 Mix Ratio, by Weight & Volume, ideal for easy breakdown in-field. Similar to our EE-99KC in application, look and feel, but with lower temperatures limits and chemical resistances.</p>
Spraythane	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★</p>	<p>TEMPERATURE: Immersion service Max.150°F (66°C); Spike to 180°F (82°C) (3 hrs) Dry: 325°F(163°C)</p> <p>FILM THICKNESS: 20 mils(.51 mm)/coat Immersion 1-2 coats.</p> <p>ABRASION: Excellent Hardness Shore A: 80 A</p> <p>FLEXIBILITY: Excellent</p> <p>MIX RATIO: 2:1 by Volume (Base: Activator) 100 gm: 52 gm by Weight</p> <p>VISCOSITY: 60,000-90,000 cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR™ SPRAYTHANE is a high elongation, elastomeric, hybridized epoxy/urethane. It is designed as a high resilience, high tear resistant, high impact resistant coating that is ideal to combat cavitation and abrasion, and it is completely compatible with epoxy coatings. The urethane aspect delivers a tough, flexible resilience while the epoxy aspect provides improved water and chemical resistance and shelf stability. ARCOR™ SPRAYTHANE's epoxy reactivity eliminates the moisture sensitivity and toxicity associated with traditional urethanes. Provides a smooth finish and will self-level in horizontal applications</p>
2211	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Immersion service Max. 200°F (3 hours) ; Spike to 230°F (3 hours). Dry 400°F. Spike 500° (3 hours).</p> <p>ABRASION: Excellent</p> <p>FILM THICKNESS: up to 500 mils vertical</p> <p>FLEXIBILITY: Good / Fair Flexural Strength 10,900 psi</p> <p>MIX RATIO: 2:1 by Volume (Base : Activator) 100 gm: 55 gm by Weight</p> <p>VISCOSITY: Putty</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR 2211 is the most unique repair composite material on the market today. It was formulated with a combination of different multi-functional resin groups, coupled with fine ceramic powders and enhanced with 23 different additives to create our ultimate weapon in the fight against erosion / corrosion. Holds 3/4" on a vertical surface, yet is so creamy you can smooth out like glass. Three times the bonding strength of our closest competitor. Three times the chemical resistance. Outwears other ceramic filled rebuilding compounds Fully machinable. Non-slumping characteristics makes 2211 perfect for molding worn parts in place to eliminate the need to machine. Everyday uses for a wide array of mechanical repairs, especially damage caused by the combined forces of erosion / corrosion.</p>
2213	<p>Chemical Resistance Chart</p> <p>Water: ★★★★★</p> <p>Alkalise: ★★★★★</p> <p>Inorganic Acids: ★★★★★</p> <p>Organic Acid: ★★★★★</p> <p>Organic Solvents: ★★★★★</p>	<p>TEMPERATURE: Temperature resistance will vary depending on chemical exposure. Consult ARCOR. Max.250°F(121°C); Spike to 300°F(149C) Recommended force cure at 250°F@ 2 hrs. Dry to 400°F (190C); Spike to 500°F (246C)(3 hrs)</p> <p>ABRASION: Excellent</p> <p>FLEXIBILITY: Fair. Excellent with Polyester or Fiberglass Cloth</p> <p>MIX RATIO: 1:1 by Volume (Base: Activator)</p> <p>VISCOSITY: 150,000+ cps</p>	<p>DESCRIPTION AND RECOMMENDED USES: ARCOR 2213 Stick is a solvent free, two-component epoxy paste provided in an easy-to-use stick form which contains both the Activator and Base components. Simply cut or twist off a desired amount and knead with your gloved fingers. Rapid cure makes 2213 ideal for emergency repairs. It is corrosion resistant, steel reinforced for excellent wear. It can be sanded, drilled, tapped, filed, machined. Can be painted with epoxy, urethane or acrylics. ARCOR 2213 sets in 5 minutes and can be put into full service within 1 hour.</p>

KZN CASE HISTORIES



Vacuum Pump for Paper industry: Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test. Apply two coats ARCOR S20 - 250 to 375 micron per coat

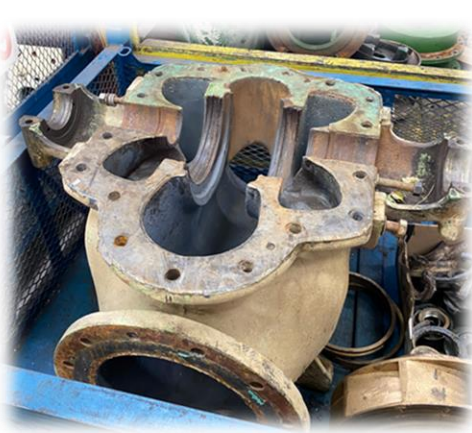


S-20 - GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY NOVOLAC, TOP COAT



DESCRIPTION AND RECOMMENDED USES:
ARCOR® S-20 is a solvent free, high functionality epoxy Novolac designed particularly as a protective coating for metals in highly aggressive environments especially high chemical, high abrasion and elevated temperature. Excellent in a wide array of caustics and acids. The ARCOR® S-20 multi-functional chemistry produces an excellent coating suited for aggressive service, and is suitable for immersion in a wide array of chemicals. ARCOR® S-20 can be applied up to 40 mils without slump.

KZN CASE HISTORIES



Split casing Pump for Sugar industry: Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test Rebuild damaged internal parts with ARCOR 2211 rebuild As per customer requirements. Apply two coats ARCOR S20 - 250 to 375 micron per coat



ARCOR S-20

Chemical Resistance Chart

Water: ★★★★★★
 Alkalise: ★★★★★★
 Inorganic Acids: ★★★★★★
 Organic Acid: ★★★★★★
 Organic Solvents: ★★★★★★

ARCOR 2211

Chemical Resistance Chart

Water: ★★★★★★
 Alkalise: ★★★★★★
 Inorganic Acids: ★★★★★★
 Organic Acid: ★★★★★★
 Organic Solvents: ★★★★★★

KZN CASE HISTORIES



ARCOR EE-94

Pump Wear Plate “Aggressive Application for Paper Industry:

Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test Rebuild damaged internal parts with ARCOR EE94 rebuild As per customer requirements.

Chemical Resistance Chart

Water:	★★★★★
Alkalise:	★★★★
Inorganic Acids:	★★★★
Organic Acid:	★★
Organic Solvents:	★★★

GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY REBUILDING COMPOUND

DESCRIPTION AND RECOMMENDED USES: ARCOR™ EE-94 is a solvent free, two component rebuilding compound designed for high abrasion, erosion and impact environments. EE-94 is a Novolac Epoxy filled with ceramic beads giving it the highest level of chemical, heat and abrasion resistance possible in an epoxy system. This self-wetting formulation can be applied without a primer, can be applied at 1” (1000 mils) on verticals and overheads and can be levelled to a smooth finish requiring no topcoat dramatically minimizing application & turn- around time

Impeller for Water industry: Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test Rebuild damaged sections with ARCOR 2211 rebuild. Apply two coats ARCOR S20 - 250 to 375 micron per coat



2211 - GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY REBUILD

DESCRIPTION AND RECOMMENDED USES: ARCOR 2211 is the most unique repair composite material on the market today. It was formulated with a combination of different multi-functional resin groups, coupled with fine ceramic powders and enhanced with 23 different additives to create our ultimate weapon in the fight against erosion / corrosion. Holds 3/4" on a vertical surface, yet is so creamy you can smooth out like glass. Three times the bonding strength of our closest competitor. Three times the chemical resistance. Outwears other ceramic filled rebuilding compounds Fully machinable. Non-slumping characteristics makes 2211 perfect for molding worn parts in place to eliminate the need to machine. Everyday uses for a wide array of mechanical repairs, especially damage caused by the combined forces of erosion / corrosion.

KZN CASE HISTORIES





KZN CASE HISTORIES

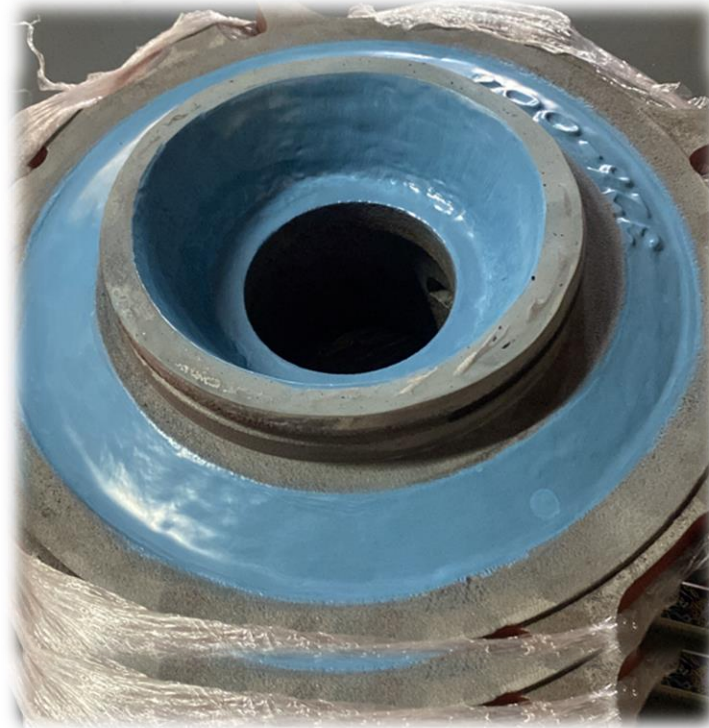
Pump Wear Plate “Aggressive Application for Paper Industry:
Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test Rebuild damaged internal parts with ARCOR EE94 rebuild As per customer requirements. Apply two coats ARCOR S20 - 250 to 375 micron per coat

ARCOR EE-94

Chemical Resistance Chart

Water: ★★★★★
Alkalise: ★★★★★
Inorganic Acids: ★★★★★
Organic Acid: ★★
Organic Solvents: ★★★

KZN CASE HISTORIES



ARCOR 2211

Pump Back Plate “Aggressive Application for Paper Industry:
Sandblast housing SA 2.5 Near 3. Min profile not less than 75 Micron. Allow to sweat. Re-blast and salt test Rebuild damaged internal parts with ARCOR 2211 rebuild As per customer requirements.

Chemical Resistance Chart

Water:	★★★★★
Alkalise:	★★★★★
Inorganic Acids:	★★★★★
Organic Acid:	★★★
Organic Solvents:	★★★★★

DESCRIPTION AND RECOMMENDED USES: ARCOR 2211 is the most unique repair composite material on the market today. It was formulated with a combination of different multi-functional resin groups, coupled with fine ceramic powders and enhanced with 23 different additives to create our ultimate weapon in the fight against erosion / corrosion. Holds 3/4” on a vertical surface, yet is so creamy you can smooth out like glass. Three times the bonding strength of our closest competitor. Three times the chemical resistance. Outwears other ceramic filled rebuilding compounds Fully machinable. Non-slumping characteristics makes 2211 perfect for moulding worn parts in place to eliminate the need to machine. Everyday uses for a wide array of mechanical repairs, especially damage caused by the combined forces of erosion / corrosion.

Download the new ARCOR App



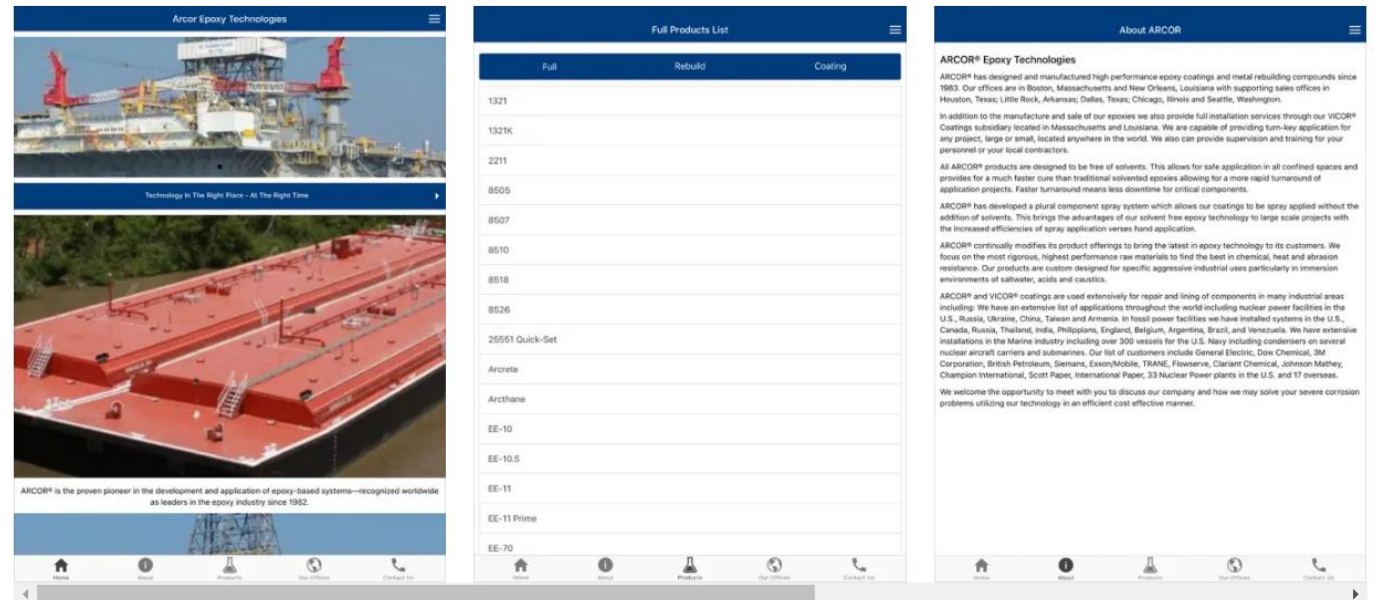
App features:

- No login required
- Simple and easy to use
- Product documents available for download and use offline
- All new information or data is automatically added to the app when it is released
- Video content that can be viewed in the app with an Internet connection.



ARCOR 4+
Arcor Epoxy Technologies
ARCOR Epoxy Inc.
Designed for iPad
Free

Screenshots [iPad](#) [iPhone](#)



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