ARCOR
EPOXY TECHNOLOGIES

PRODUCT DATA SHEET

REVISED 11/2017

ARCOR® S-26

GENERIC TYPE: EPOXY COATING; AMINE CURED, 100% SOLIDS, 0% VOC

DESCRIPTION AND RECOMMENDED USES: ARCOR® S-26 is a solvent free, epoxy Novolac blend designed particularly as a protective coating for metals in highly aggressive environments especially those with combinations of chemical, abrasion and temperature. Excellent in a wide array of chemicals. The ARCOR® S-26 is designed as a 1-coat sprayable or 2-coat hand applied system. ARCOR® S-26 can be applied up to 30 mils per coatby hand(40 mils by spray) without slump.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: General Immersion service
Max.200ºF (93ºC); Spike to 350ºF (177ºC) (3 Hrs)
Dry 325ºF (163ºC); Spike to 500ºF (260ºC) (3 Hrs)

CHEMICAL RESISTANCE:

Water:	Excellent
Alkalies:	Excellent
Inorganic Acids:	Very Good
Organic Acids:	Very Good
Organic Solvents:	Very Good

ABRASION: Excellent

FLEXIBILITY: Good. Very Good with Polyester or Fiberglass Mat; 1.5 oz/ft^2 (.5 KG/M2)

FILM THICKNESS: Hand Application 10-30 mils/coat,(250-750 microns)
Spray Application 15-40 mills/coat(375-1000 micron)

APPLICATIONS: Petrochemcial Tanks for Crude Oil, Diesel, Fuel Oils, Neutralization Tanks, Caustic Tanks,Clarifiers, Demin Tanks, Concrete Secondary Containment, Pumps.
Low coefficient of Friction improves flow.

SOLIDS BY VOLUME: 100%

VISCOSITY: 65,000-85,000 cps

POT LIFE: 23 MIN/Gal @ 72ºF

MIX RATIO: 2:1 by Volume (Base:Activator)
100 gm : 50 gm by weight

COLOR: Blue

SHELF LIFE: 5 Years at 55-95ºF (13-35ºC)

COVERAGE: @ 20 mils: 80 sf/gal (7.4 M^2/Gal (typically add 20% for waste)
WEIGHT PER GALLON: 12.5 lbs (5.7 KG)

ORDER INFORMATION: To place orders and/or obtain pricing information contact:

ARCOR Epoxy Inc.
PO Box 273
South Dennis, MA 02660
TEL: 508-385-5598

Manufacturer makes no warranty either expressed or implied including warranties of merchantability or fitness for a particular purpose for this product. Under no circumstances will the manufacturer be liable for incidental, consequential or other damages, breach of warranty, strict liability, or any other theory arising out of use of this product.

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Application Sheet

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SEE MATERIAL SAFETY DATA SHEET BEFORE HANDLING THIS PRODUCT

SURFACE PREPARATION:
Steel surfaces are to be abrasive blasted with chloride free abrasive. Exterior applications to SSPC SP-6 Comercial metal finish. Immersion applications to SSPC SP-10 Near-White metal, 4+mil (100 micron) profile. Grind flat all burrs, weld seams, radius sharp edges. If coating by hand (Brush, Roller) fresh blasted surfaces to be primed. Use ARCOR® S-26, EE-11 Prime or S-15

Concrete surfaces : Concrete surfaces should be degreased if oil and grease contamination is present. Degreased surface shall be high pressure washed, acid etched and high pressure washed again so surface is clean and free of all grease, oils and surface laitance. Abrasive Blasting is Prefferable.
Existing coatings should be abrasive blasted to clean concrete. Prime with ARCOR® S-26 , EE-79, EE-10.

MIXING:
Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade. Mix by Volume 2 parts Base to 1 part Activator. Or by weight 100 grams base to 50 grams activator.

THINNING: Never thin.

APPLICATION:
Brush: medium to stiff bristle of sufficient quality that bristles do not pull out and stick in coating (epoxy glued bristles are best). Trim or tape to <1" nap.
Roller: use good quality 3/8" nap on metal, 1/2" for rough concrete.
Plural Spray: .031-.045 RAC tip, 3,000-3,500 PSI, Heat to 170ºF Base, 120ºF Activator. Consult ARCOR for your job-specific requirements.
Airless Spray: .035-.045 RAC tip, 5,000-5,800 PSI(60:1+). Recommended only with in-line heater at 120º to 135ºF.(Caution: Short Pot-Life). Consult ARCOR for job-specific requirements.
Conventional Spray: Not Recommended
All spray equipment should employ traps to prevent water and oil from contaminating coating and 30 mesh screens prevent particulate contamination.

APPLICATION TEMPERATURE:
Material: Keep between 55 to 95ºF (13 to 35ºC). Substrate : Keep between 45 to 105ºF (7 to 40ºC). The difference in temperature of the substrate and the coating should never exceed 10ºF (5ºC). Substrate shall be a minimum of 5º(3ºC) above dew point. Do not apply if relative humidity exceeds 90%. If necessary heat metal prior to surface preparation using electric heater or heat lamp. Never use gas, oil or kerosene heaters as they will leave a greasy residue on metal surface. For best results keep all material in warm area over night (75ºF+, 24ºC) for ease of mixing. If necessary base component of material can be heated by microwave for 30 seconds for a 1 KG Base unit or by warm water bath Heat activator by warm water bath only. If necessary let material cool before application.
Consult ARCOR for Job-Specific Requirements.

OVERCOAT / CURE TIME:
By Brush or Roller recoat as soon as possible, 2-3 hours at 72ºF (25ºC).
When spraying a single coat up to 40 mils can be done in a single coat. Full cure before immersion 24 Hours at 72ºF. For highly aggressive environments Force Cure is recommended. Force Cure: 12 hours at 150ºF (66ºC), 4 hours at 250ºF (121ºC).

CLEAN UP:
MethylEthylKetone, Acetone or other Ketone blend. For solvent controlled areas use 98-100% isopropyl alcohol

WARNING: Base contains epoxy resin. Activator contains alkaline amines, a strong sensitizer. May cause skin irritation, sensitization or other allergic responses. Use with good ventilation, particularly if heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves or barrier creams. Keep containers closed when not in use. Wash thoroughly after handling. In case of skin contact immediately wash with soap and water. In case of eye contact, flush with water for 15 minutes. If irritation persists seek medical attention.

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