ARCOR
EPOXY TECHNOLOGIES

PRODUCT DATA SHEET

Revision July 2024

ARCOR® 25553 Quick-Set

GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY Emergency Repair & Rebuild

DESCRIPTION AND RECOMMENDED USES: ARCOR™25553 Quick-Set is a solvent free two-component, moisture insensitive epoxy adhesive designed as an emergency repair or bonding material for metals, glass, concrete, or wood. ARCOR™25553 Quick-Set cures in 10-15 minutes and can be put in service within 1 hour. ARCOR™25553 Quick-Set is an epoxy Novolac, so it has excellent resistance in a wide variety of chemical environments and has heat resistance to 450ºF. ARCOR™25553 Quick-Set is an easy to use 1:1 mix ratio by volume and can be applied overhead or vertically to ½". ARCOR™25553 Quick-Set does not rely on Mercaptan for its rapid cure (as do most all other competitors) so it does not have the sulfur odor or short shelf-life issues.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service Max. 200ºF (93ºC); Dry to 450ºF (232ºC)

CHEMICAL RESISTANCE:

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

ABRASION: Excellent

FLEXIBILITY: Good. Very Good with Polyester or Fiberglass Mat; 1.5 oz/ft2 (.5 KG/M2)

FILM THICKNESS: Up to 500mils

APPLICATIONS: Repair burst pipes, tanks, pumps and the like which contain liquids or gases. Use for bonding Dissimilar Metals. Use for Concrete, Metal, Glass, Wood.

CONSULT MATERIAL SAFETY DATA SHEET BEFORE HANDLING THIS PRODUCT

SOLIDS BY VOLUME: 100%

VISCOSITY: Paste

POT LIFE: 5 MIN @ 72ºF

MIX RATIO: 1:1 by Volume (Base:Activator)
100 gm: 118 gm by weight

COLOR: Dark Gray

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

COVERAGE: @ 20 mils: 80 sf/gal

WEIGHT PER GALLON: 13.5 lbs (6.1 KG)

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

ARCOR® by Novolac Epoxy Technologies Inc.
28 Jonathan Bourne Drive
Pocasset, MA 02559

The 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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PRODUCT APPLICATION DATA
ARCOR® 25553

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SURFACE PREPARATION:
Steel surfaces are to be abrasive blasted with chloride free abrasive. Exterior applications to SSPC SP-10 Near White metal finish. Immersion applications to SSPC SP-5 White metal. Grind flat all burrs, weld seams, radius sharp edges. **ARCOR®** 25553 is self-priming.

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. Existing coatings should be abrasive blasted to clean concrete. **ARCOR®** 25553 is self-priming.

MIXING:
Thoroughly mix Activator into Base with mixing stick or drill with low-speed mixing blade. Mix by Volume 1 parts Base to 1 part Activator. Or by weight 100 grams base to 118 grams activator.

THINNING: Never thin.

APPLICATION:
Squeegee/Stick/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 <1/2" nap.
Roller: N/A
Cartridge Sprayer: N/A.
Plural Spray: N/A
Airless Spray: N/A
Conventional Spray: N/A

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 overnight (70ºF+, 21ºC) 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. Note: warm material has shorter pot-life

OVERCOAT / CURE TIME:
Overcoat windows are affected by temperature and humidity. The following are general guidelines.
Recoat between 20min and 1 hours at 72ºF (25ºC).
For highly aggressive environments Force Cure is recommended; 4hours at 120ºF (49ºC), 2 hours at 150ºF (66ºC).

CLEAN UP: M.E.K., Acetone or another Ketone blend. For solvent controlled areas use 98% 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.