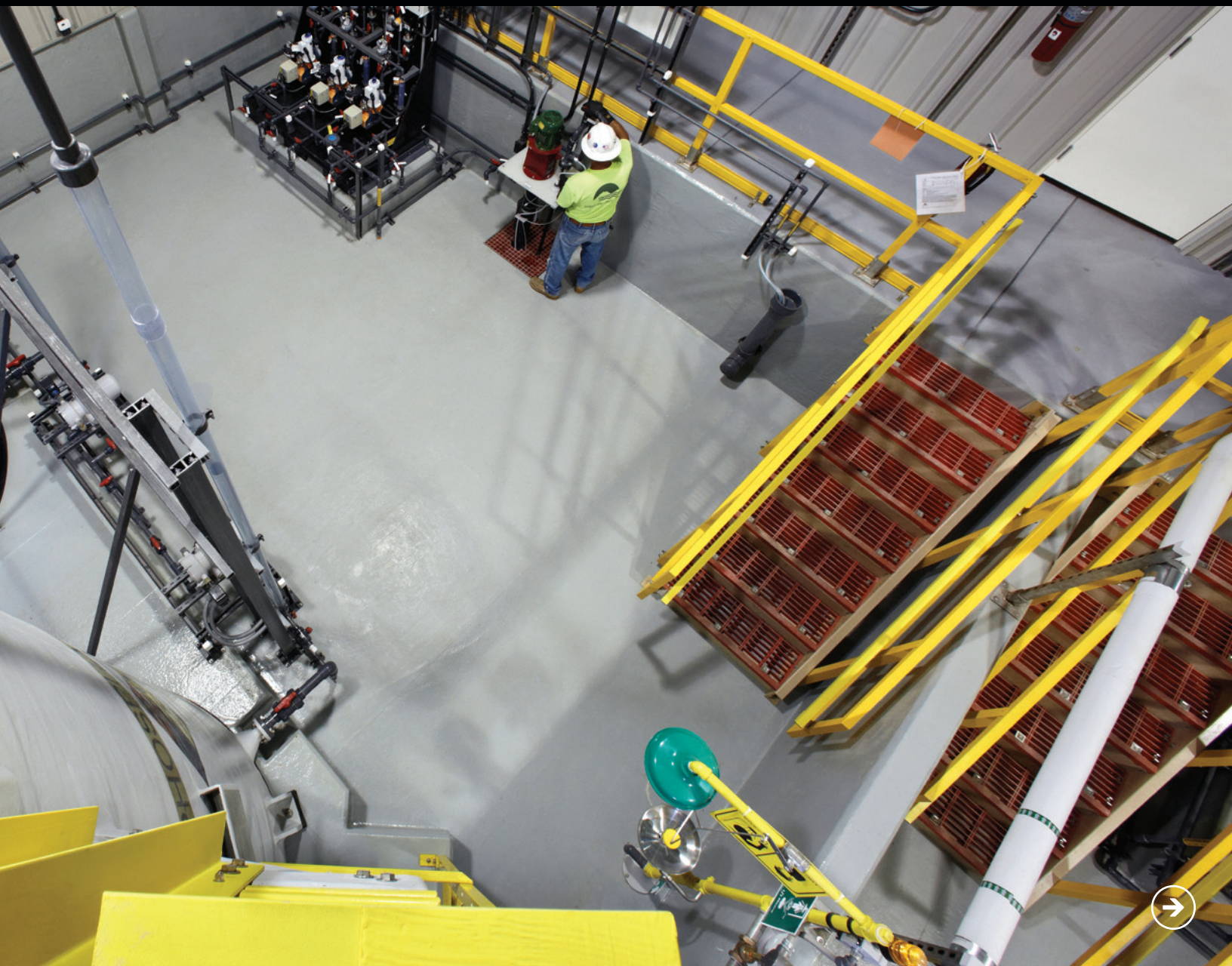
TNEMEC

INNOVATION IN EVERY COAT.™

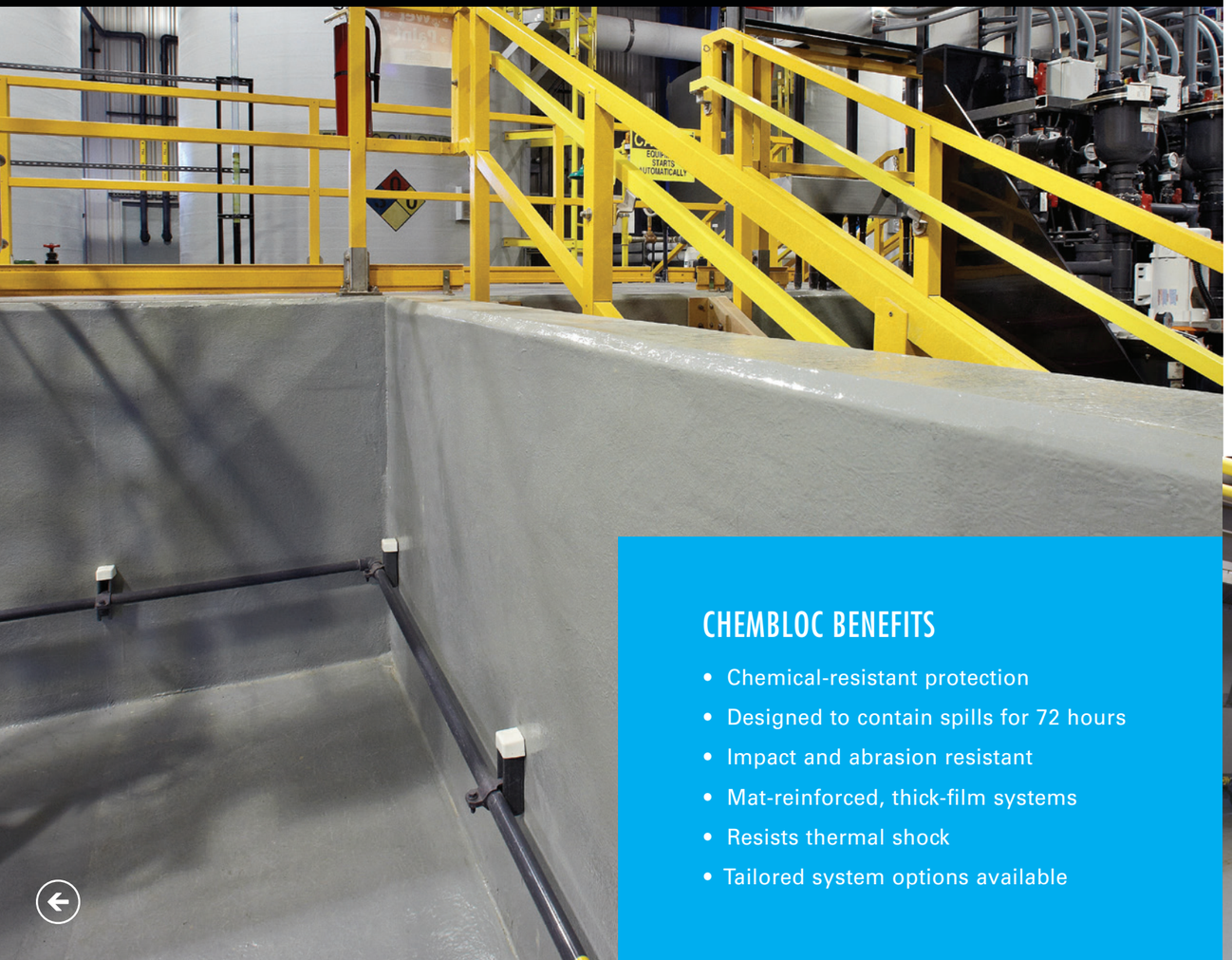
CHEMBLOC®

SECONDARY CONTAINMENT LINING SYSTEMS FOR CONCRETE



SECONDARY CONTAINMENT FOR THE MOST EXTREME PROTECTION

Accidents occur, and to prepare water treatment, industrial and manufacturing facilities for chemical spills, tank overflows or leaks, Tnemec offers ChemBloc, a line of reinforced secondary containment lining systems for reliable protection from a long list of chemicals, acids and fuels. Developed to act as a containment barrier and prevent the migration of chemicals into the soil and water through cracks and joints, the fiberglass mat-reinforced mortar systems are designed to safely contain chemical spillage for up to 72 hours while protecting the concrete substrate. In addition to extreme chemical resistance, the linings are highly impact and abrasion resistant for superior protection against everyday wear and tear.



CHEMBLOC BENEFITS

- Chemical-resistant protection
- Designed to contain spills for 72 hours
- Impact and abrasion resistant
- Mat-reinforced, thick-film systems
- Resists thermal shock
- Tailored system options available

237SC DATASHEET

239SC DATASHEET

252SC DATASHEET

THE CHEMBLOC PRODUCTS

ChemBloc lining systems are available in three coating chemistries – polyamine epoxy, novolac epoxy and vinyl ester – offering the performance level needed depending on the types of chemicals and concentrations the system must withstand.

These three coating formulas allow the ChemBloc secondary containment line to protect against the majority of hazardous chemicals typically stored and offer superior protection for concrete substrates in interior or exterior containment areas.

Series 237SC Chembloc – Polyamine epoxy lining system that protects secondary containment structures against a wide range of chemicals

Series 239SC Chembloc – Novolac epoxy lining system formulated to provide protection against harsh chemical exposures, including corrosive acid solutions

Series 252SC Chembloc – Novolac vinyl ester lining system that protects containment structures against many chemicals and concentrations, including acidic and caustic solutions

THE CHEMBLOC SYSTEM

ChemBloc secondary containment fiberglass mat-reinforced mortar systems give specifiers and owners a reliable, thick-film system for greater resistance to chemical attack, physical abuse and thermal cycling. These coatings, when finished with the appropriate high-performance topcoats, provide complete protection for containment areas, offering unmatched resistance in harsh chemical environments.

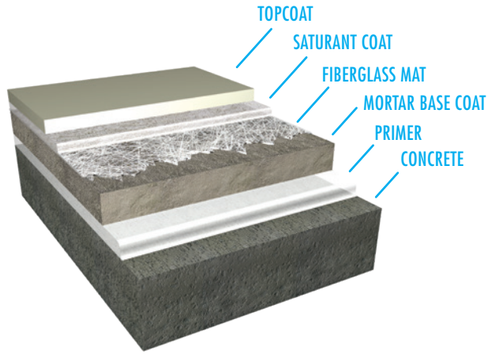
From penetrating primer to mortar to topcoat, every layer in the ChemBloc system is designed to strengthen your containment areas and, in turn, protect your facility. Whether interior or exterior exposure, the ChemBloc mat-reinforced mortar systems allow for seamless protection from floor to wall, applied to both horizontal and vertical surfaces, and have been used to line a variety of secondary containment areas, including food and beverage facilities, water and wastewater treatment plants, industrial processing plants and more.

ADDITIONAL FLEXIBILITY FOR SECONDARY CONTAINMENT

When a flexible, crack-bridging base coat is required for any one of these lining systems, a modified flexible polyamine epoxy, Series 206SC, can be substituted for the Series 237SC, 239SC and 252SC mortars to build a base coat. Series 206SC aids in keeping hairline cracks in the concrete from causing the containment system to crack.

When a fast turn-around is required, or concrete surfaces need to be rebuilt, Tnemec offers options such as quick-cure, durable polymer concretes for secondary containment structures. In addition, other corrosion-resistant coating systems and fiberglass mat options from Tnemec can be tailored to fit your needs, depending on the necessary coating thickness or chemical-resistance requirements and the environmental conditions of your project.

*Flexible Base Coat Option: Flexible coat may be substituted for mortar coat when building the base coat.



Note: For a more complete list of chemicals or to determine the resistance of a chemical not listed below, visit tnemec.com, or contact your local Tnemec representative. Contact Tnemec Technical Service to discuss your facility's chemical exposure conditions before selecting or applying the ChemBloc coating system.

CHEMBLOC CHEMICAL RESISTANCE

The listing below does not address staining or temperature resistance, or selection of reinforcement fillers, fabrics and mats.

CHEMICAL AND CONCENTRATION	237SC	239SC	252SC
Aluminum Chloride 50%	OK	OK	OK
Aluminum Sulfate 49%	OK	OK	OK
Ammonium Fluosilicate	NR	OK	OK
Ammonium Hydroxide <30%	OK	OK	OK
Ammonium Hydroxide 35%	NR	OK	OK
Bromine Water, Saturated	NR	OK	OK
Calcium Carbonate	OK	OK	OK
Calcium Hydroxide 30%	OK	OK	OK
Calcium Hypochlorite 5%	OK	OK	OK
Calcium Oxide	OK	OK	OK
Citric Acid <50%	OK	OK	OK
Copper Sulfate <50%	OK	OK	OK
Ferric Chloride	OK	OK	OK
Ferric Sulfate 20%	OK	OK	OK
Fluorosilicic Acid 25%	NR	OK	OK
Hydrochloric Acid 5-37%	OK	OK	OK
Hydrogen Peroxide 30%	NR	OK	OK
Methanol	NR	OK	OK
Phosphoric Acid <25%	OK	OK	OK

CHEMICAL AND CONCENTRATION	237SC	239SC	252SC
Phosphoric Acid 25-85%	NR	OK	OK
Polyaluminum Chloride	OK	OK	OK
Potassium Permanganate	NR	OK	OK
Sodium Aluminate	OK	OK	OK
Sodium Bicarbonate	OK	OK	OK
Sodium Bisulfite <38%	OK	OK	OK
Sodium Carbonate	OK	OK	OK
Sodium Fluoride	OK	OK	OK
Sodium Hexametaphosphate	OK	OK	OK
Sodium Hydroxide <50%	OK	OK	OK
Sodium Hypochlorite <15%	OK	OK	OK
Sodium Silicate	OK	OK	OK
Sodium Silicofluoride	OK	OK	OK
Sodium Sulfate 6%	OK	OK	OK
Sodium Sulfite	OK	OK	OK
Sulfuric Acid <30%	OK	OK	OK
Sulfuric Acid 30-70%	NR	OK	OK
Sulfuric Acid 70-98%	NR	OK	NR
Tetrasodium Pyrophosphate	NR	NR	OK

HELP WHEN YOU NEED IT

When it comes to choosing one of Tnemec's ChemBloc secondary containment systems, Tnemec coating consultants can help tailor a system for the needs of any facility owner. With the reliability of ChemBloc and the support of Tnemec technical service and your local sales representative, confidence is simply a phone call or click away.

FIND REP

Published technical data, instructions and pricing are subject to change without notice. Contact your Tnemec technical representative for current technical data, instructions and pricing. Warranty information: The service life of Tnemec's coatings will vary. For warranty, limitation of seller's liability and product information, please refer to Tnemec Product Data Sheets at tnemec.com or contact your Tnemec technical representative. © Tnemec Company, Inc. 2021 BROCB

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