



CHEMICAL-RESISTANT
FLOOR SYSTEMS

CHEMICAL RESISTANT EPOXY

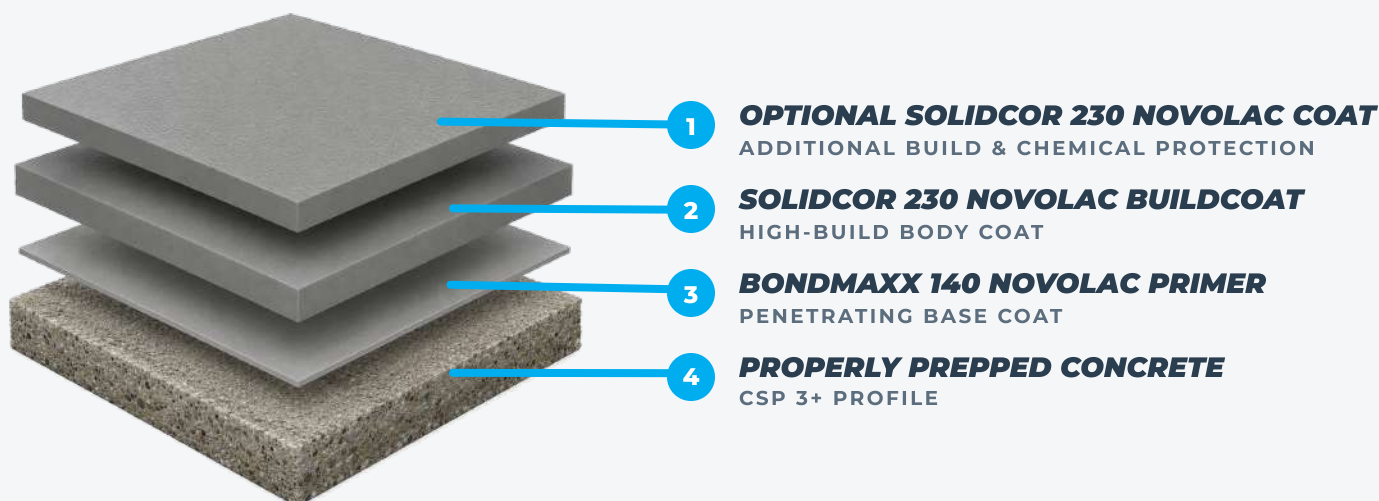
NOVOLAC SYSTEMS

Where standard epoxies and urethanes reach their limits. A seamless novolac system engineered to withstand concentrated acids, aggressive solvents and demanding chemical exposure — built to perform under pressure.

THE SYSTEM

BUILT FOR CHEMICAL SERVICE

In certain environments, standard epoxies and urethanes simply aren't enough. Dymond Novolac Systems deliver high-performance resistance to concentrated acids, caustics, aggressive solvents and selected chlorinated chemicals—creating a seamless, chemical-resistant floor for demanding process and containment areas.



STANDARD SYSTEM COMPONENTS

COAT	PRODUCT	MIX	COVERAGE
Primer	BondMaxx 140 Novolac Primer	2:1	267–320 sf/gal
Body	SolidCor 230 Novolac High-Build	2:1	90–100 sf/gal
Topcoat (optional)	SolidCor 230 Novolac High-Build	2:1	90–100 sf/gal

TYPICAL APPLICATIONS

- ◆ Chemical process plants
- ◆ Power generation
- ◆ Food processing
- ◆ Gas processing
- ◆ Battery charging stations
- ◆ Petroleum facilities
- ◆ Pulp & paper mills
- ◆ Mining industry
- ◆ Sewage & water treatment

SYSTEM BENEFITS

- ◆ Excellent chemical resistance
- ◆ Excellent solvent resistance
- ◆ High-strength, durable floor system
- ◆ Designed for heavy-duty environments
- ◆ Excellent impact and abrasion resistance
- ◆ Suitable for process and containment areas

SPECIFICATIONS & FINISHES

PERFORMANCE & COLORS

REPRESENTATIVE PROPERTIES

PROPERTY	RESULT	TEST METHOD
Adhesion	375 psi (concrete failure)	—
Flexural strength	9,610 psi	ASTM D790
Compressive strength	9,900 psi	ASTM D695
Tensile strength	6,680 psi	ASTM D638
Elongation	4.7%	—
Impact resistance	50 in-lbs direct	—
Abrasion resistance	20 mg	CS-17 1000/500
Gloss	>40	Glossmeter
Application temp.	60°–90° F	—

Refer to individual technical data sheets for complete details.

STANDARD COLORS



Tile Red
PIGMENTED



Medium Gray
PIGMENTED



Light Gray
PIGMENTED

SolidCor 230 and BondMaxx 140 are available in the colors shown. Non-standard colors may be available with minimum-quantity purchase. Screen and print limits mean colors shown are approximate — consult a Dymond representative for physical samples.

IN SERVICE



CHEMICAL STORAGE



CHEMICAL PROCESS



FOOD PROCESSING



WATER TREATMENT



INDUSTRIAL PLANTS



PULP & PAPER



BATTERY CHARGING



BOTTLING LINES

REFERENCE

CHEMICAL RESISTANCE

Resistance ratings for the Novolac system across common industrial chemicals. Refer to the rating key below and to individual technical data sheets before specifying.

CHEMICAL	SOLIDCOR 230	BONDMAXX 140
Acetic acid 5%	D	D
Acetic acid 10%	B	B
Acetone	C	C
Ammonia	E	E
Butanol	E	E
Ethanol	C	C
Ethylene glycol	E	E
Hydrochloric acid 10%	D	D
Hydrochloric acid 36%	D	D
Methylene chloride	A	A
Methyl ethyl ketone	C	C

CHEMICAL	SOLIDCOR 230	BONDMAXX 140
Nitric acid 5%	E	E
Nitric acid 30%	C	C
Phosphoric acid 40%	D	D
Skydrol	C	C
Sodium hydroxide 10%	E	E
Sodium hydroxide 50%	E	E
Sulfuric acid 10%	E	E
Sulfuric acid 30%	D	D
Sulfuric acid 98%	C	C
1,1,1-Trichloroethane	C	C
Xylene	D	D

RATING KEY

- A** Not recommended for exposure to this chemical
- B** Short-term splash / spill (not to exceed 2 hours)
- C** Long-term splash / spill (one 8–10 hr shift, no cleanup)
- D** Short-term immersion (not to exceed 72 hours)
- E** Long-term immersion (continuous — tank linings, trenches)
- T** No service data; suitable per technical knowledge

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