



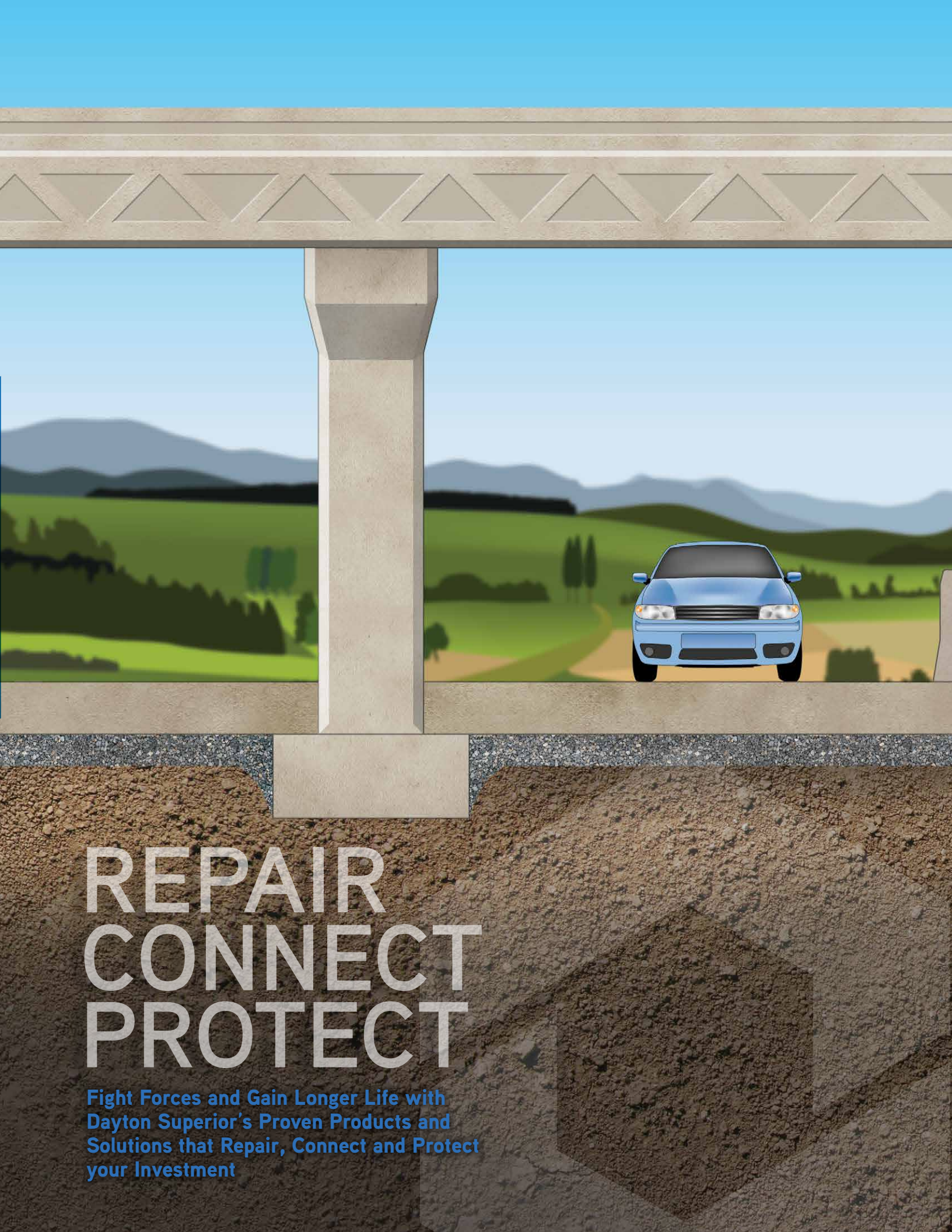
**BUILDING
STRENGTH™**

**CONCRETE REPAIR
AND RESTORATION
SOLUTIONS**

REPAIR,
CONNECT,
PROTECT

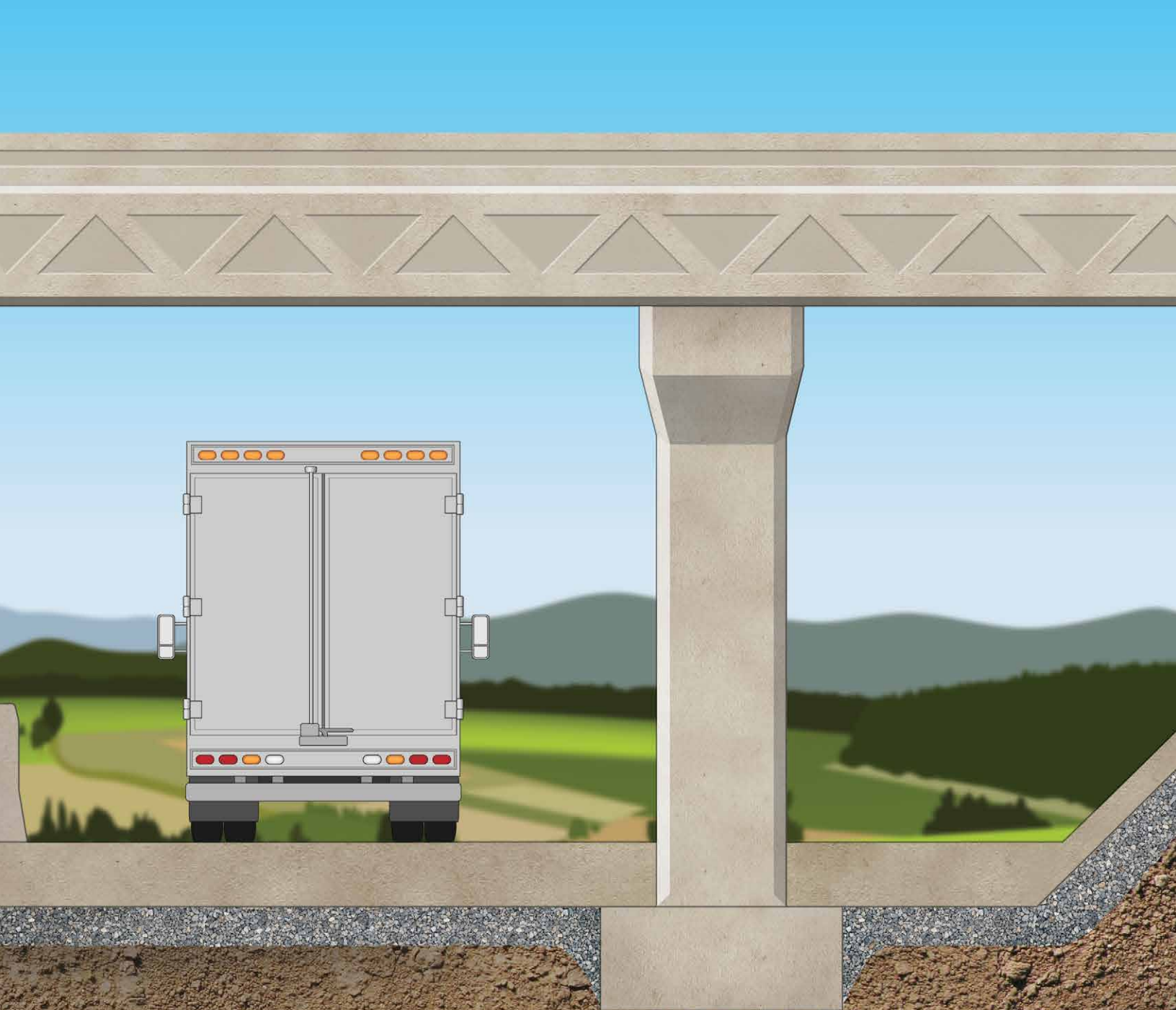


**DAYTON®
SUPERIOR**



REPAIR CONNECT PROTECT

Fight Forces and Gain Longer Life with
Dayton Superior's Proven Products and
Solutions that Repair, Connect and Protect
your Investment



MAKE YOUR INVESTMENT LAST A LIFETIME

Optimize your Return on Investment by selecting the right materials for repairing, connecting and protecting your investment.

Fact is, forces begin to take their toll right from the start. So make plans to keep your structures in the best condition with chemical solutions proven to rehabilitate bridges, roadways, parking structures, stadiums and other commercial installations.

Designed to Combat Common Forces

From repairing and connecting to protecting various elements of your concrete structure, Dayton Superior chemicals are designed to combat common forces including environmental, load, chemical and problems resulting from flawed construction methods or practices.



ENVIRONMENTAL



LOAD



CHEMICAL



CONSTRUCTION



CHEMICAL LEADERSHIP

DAYTON SUPERIOR: PREFERRED BY ENGINEERS AND CONTRACTORS, DISTRIBUTED BY EXPERTS

For over 100 years, design professionals and contractors have relied on Dayton Superior chemical solutions for their ease of use and track record of proven performance.

Dayton Superior has optimized logistics by networking an industry high of 12 distribution centers across North America to better service our distributor partners. Regionally accessible products coupled with our knowledgeable salesforce, ensures the right product gets to the contractor ahead of schedule.

TECHNOLOGICAL EXPERTISE

- Cementitious
- Epoxy
- Acrylic
- Methacrylate
- Silane/Siloxane
- Silicate
- Epoxy/Acrylate Hybrids
- Epoxy/Urethane Hybrids
- Cementitious/Epoxy Hybrids
- Green Technologies

REPAIR

REPAIR: STRUCTURAL

Structural repair materials are formulated to transfer structural loads into and through the repair, typically, in deeper repairs where the reinforcing steel is exposed. Primary material considerations are matched modulus to the parent concrete, low shrinkage and high bond strength.

1 [Civil/Structural FPX](#)

Flowable structural repair mortar extended with aggregate. Corrosion inhibitor protects reinforcing steel.

2 [Civil/Structural VO](#)

Vertical/overhead structural repair mortar modified with silica fume and micro fibers that can be pumped, sprayed, or trowel applied. Enhanced with corrosion inhibitor for protection of reinforcing steel.

REPAIR: SURFACE

Surface repair materials are generally used on repairs where reinforcing steel is not exposed. Low shrinkage, bond strength, aesthetics and user friendliness are key.

3 [Perma Patch™ VO](#)

A polymer modified mortar designed for high performance in vertical and overhead applications.

4 [Perma Patch FP](#)

Flowable, self-consolidating structural repair mortar for horizontal, form and pour or form and pump applications.

5 [Special Patch®](#)

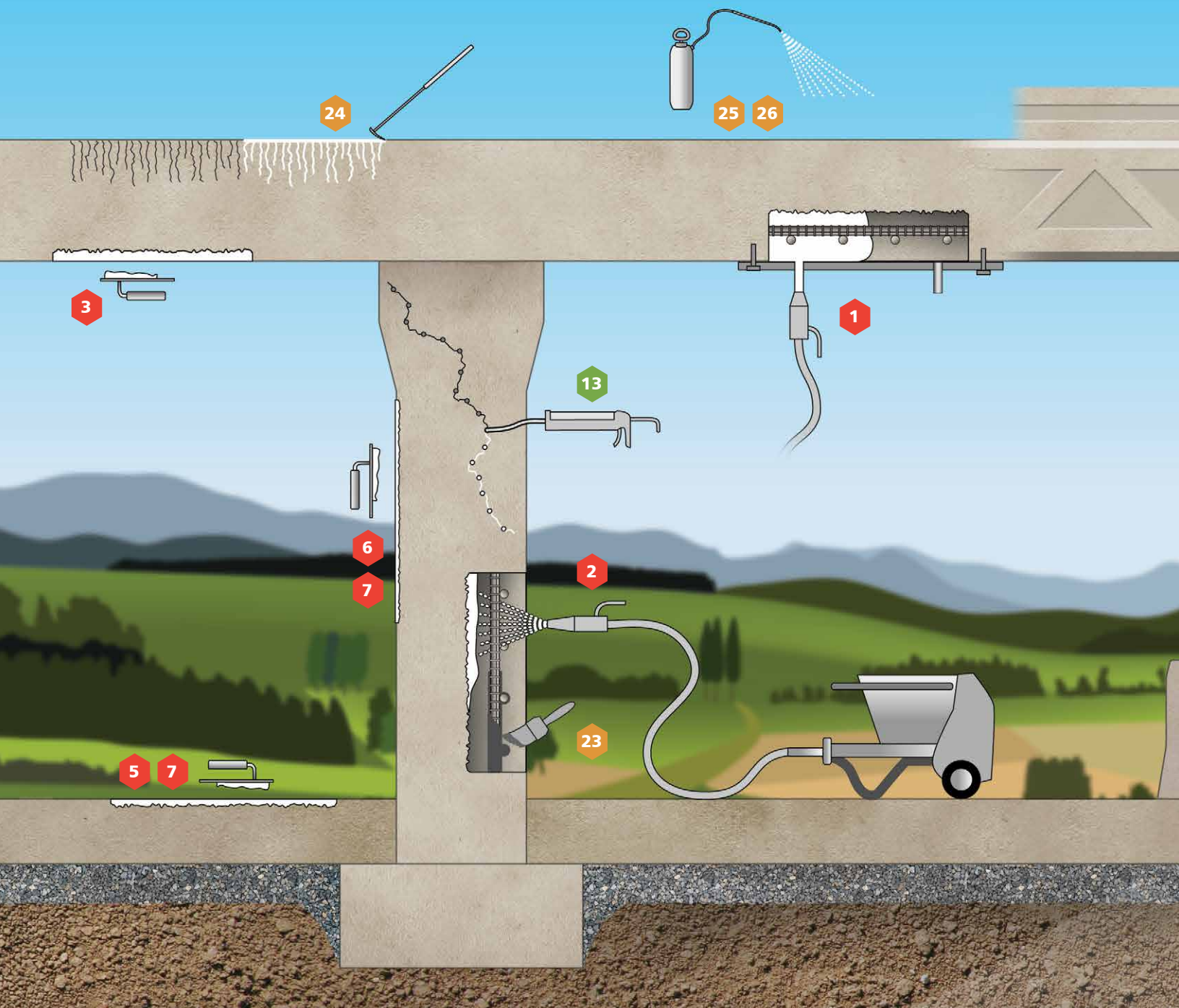
A polymer-modified cementitious two-component concrete repair mortar for thin and thick-section horizontal concrete patching.

6 [Architectural Finish™](#)

Vertical and overhead reprofiling mortar designed for trowel applications to eliminate small concrete surface blemishes.

7 [Polyfast™ FS](#)

Shrinkage compensated, high strength mortar provides an outstanding strength gain and a fast set for horizontal, vertical, and overhead applications.



REPAIR: TRAFFIC

Traffic repair materials are designed to quickly patch horizontal distressed concrete subjected to heavy repeated loads. Important material considerations are high early strengths, low shrinkage, abrasion and impact resistance.

8 [HD 50™](#)

High early strength, fiber reinforced, polymer modified horizontal repair mortar used for highways, bridge decks, parking structures, airport runways, freezer rooms, industrial/warehouse floors, loading docks and joint repair.

9 [Dowel Bar Retrofit Cement™](#)

Dowel bar retrofit cement that can be formulated to accommodate local sand and aggregate sources.

10 [Rapid Resin Repair™](#)

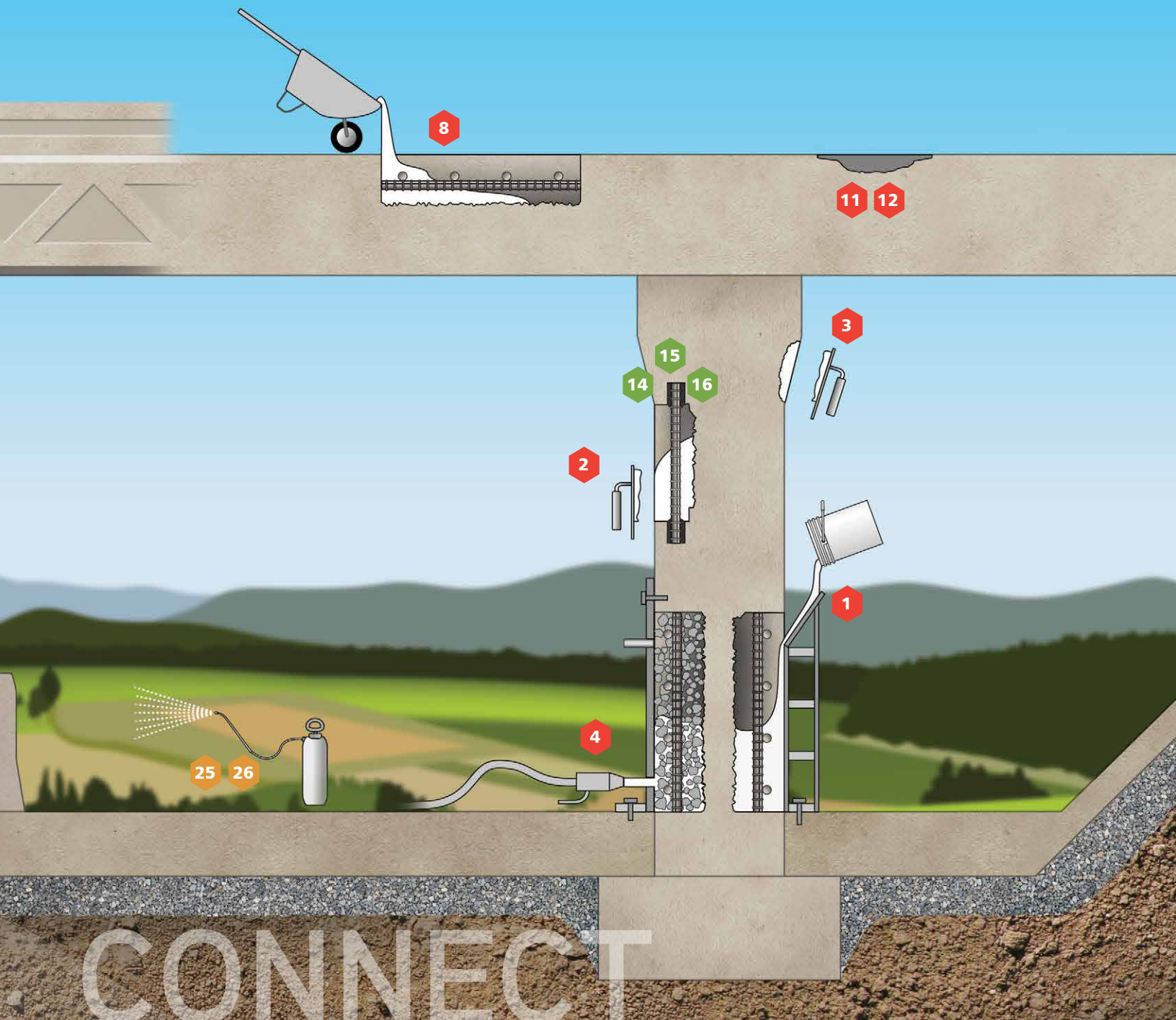
100% solids, low-modulus, three-component, non-shrinking epoxy/urethane hybrid that is combined with specially graded aggregates for achieving rapid turnaround in all weather conditions. Material cures at a temperature as low as -15°F (-29°C). Ideal for patching bridge decks, roadways, parking structures, warehouse floors and freezers.

11 [Sure Patch™](#)

Multi-Purpose, high strength, non-shrink epoxy patching mortar. Ideal for parking deck and bridge deck repair as well as pre-patching prior to an overlay system.

12 [Pave Patch™ 3000](#)

Fast setting, heavy duty, one component concrete repair material that requires only water to mix and apply. The cement based compound having similar characteristics to normal portland cement mixes and is compatible with portland cement concrete.



CONNECT: INJECTION

13 [Sure Inject™ J56SLV](#)

100% solids, high modulus, moisture tolerant, very low viscosity adhesive for gravity feed or injection of cracks.

CONNECT: ANCHORING

14 [Sure Anchor™ J50](#)

100% solids, high modulus, moisture tolerant epoxy gel adhesive used for anchoring bolts, dowels and reinforcing steel into concrete. Can also be used for vertical and horizontal structural bonding/patching and to seal cracks or set ports prior to epoxy injection.

15 [Sure Anchor™ I J51](#)

Same usage as Sure Anchor J50 but with faster strength gain. Listed by the ICC (formerly ICBO).

16 [All Weather Epoxy™ J51AW](#)

Epoxy acrylate hybrid anchoring gel can be applied to -15° F.

CONNECT: BONDING

17 [Sure Bond™ J58LPL](#)

100% solids, high modulus, medium viscosity, moisture tolerant, long open time structural epoxy adhesive used for bonding fresh concrete or repair mortars to hardened concrete.

18 [Perma Prime™ 3C](#)

Three component epoxy-modified cementitious bonding agent and corrosion inhibitor.

CONNECT: GROUTING/SPLICING

19 [Turbo HP®12 Grout](#)

Ultra high strength grout.

20 [Turbo LT12 Grout](#)

High early strength at 35° F.

21 [Epoxy Grout J55](#)

Three component non-shrink epoxy grout that can be placed up to a maximum of 8 inches (20.3cm) deep in a single pour.

22 [Bar Lock® D250 S/CA](#)

Coupler designed to exceed 135% of specified yield of Grade 60 rebar. Listed by ICC.

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MARKETS SERVED

Dayton Superior Chemical Solutions are not limited to bridges and roadways, but also can be used to prolong life and structural integrity of a variety of concrete structures such as:

INFRASTRUCTURE

Including highways, bridges, tunnels, dams, airports, energy (nuclear, wind farms, gas transmission, coal mines, oil refining) along with potable water and wastewater management.

COMMERCIAL

Including parking structures, apartments/condominiums, hotels, stadiums, retail stores, offices, distribution centers/warehouses, manufacturing.

INSTITUTIONAL

Including schools, hospitals, churches and military complexes.



PROTECT

PROTECT: REBAR CORROSION

23 [Perma Prime™ 3C](#)

Three component epoxy-modified cementitious bonding agent and rebar coating to protect against corrosion.

PROTECT: WATER/CHLORIDE INTRUSION

24 [Sure Seal™ LV/LM](#)

100% solids low viscosity low modulus healer/sealer with rapid cure time is ideally suited for sealing cracks on concrete bridge decks and parking deck slabs to prevent the ingress of chlorides and moisture from corroding reinforcing steel.

25 [Weather Worker™ 10% J26WB](#)

A water based emulsion of siloxane that penetrates into concrete or masonry to provide long term weatherproofing protection. It is a single component product that is ready-to-use, dilution prior to application is not required.

26 [Weather Worker™ 40% J29](#)

Penetrating silane water repellent to be used vertically or horizontally on virtually all concrete structures to aid in the prevention of spalling and scaling caused by freeze-thaw cycles. Inhibits attack by deicing salts and chloride ions.

27 [Waterstop™](#)

Rapid setting hydraulic cement formulated to set instantly for plugging and stopping active water leaks.



DAYTON **SUPERIOR**

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BUILDING STRENGTH™

Watch the YouTube video about the extensive testing that Dayton Superior chemical products undergo.

Dayton Superior Chemical Lab <https://www.youtube.com/watch?v=ZDiYDSQFbV4>



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