



NEW FIVE STAR PRODUCT

STRUCTURAL CONCRETE® ES-60


60-90 MINUTE WORKING TIMES

For placement of large monolithic pours and overlays

Maintain safety protocols and reduce disruption to
factory operations

Eliminate environment conditioning requirements

Access to on-site technical support from manufacturer



Faster placement of large volumes
Lower installed costs due to longer set times
Quicker turnaround/return to service



FIVE STAR

For more information **1-800-243-2206** • FiveStarProducts.com

AVAILABLE FOR ANY SIZE JOB



50 lb. bag

50 lb. pail

800 lb. bulk

1,000 lb. bulk

3,000 lb. bulk

Buy in bulk to gain efficiency in project costs!

High early strength gains for quicker installation

Equipment rebuilds as early as 12 hours
receive coatings as early as 8 hours

Can be used in hot weather/warm ambient
temperature environments

Easily pumpable at long distances

Less susceptible to corrosion with
migrating corrosion inhibitor technology

Five Star Structural Concrete® ES-60 is a high early strength, single component, permanent concrete repair material that provides working times of 60 minutes at 90° F (32° C) and 90 minutes at 70° F (21° C). The extended working times facilitate deep/large volume pours and applications in hot weather or warm ambient temperature environments. Five Star Structural Concrete® ES-60 produces a repair which is dimensionally stable, develops an integral bond to existing concrete, and restores structural integrity within hours of placement.

Value & Innovation

Recognizing our customers' needs for flexible installation products, Five Star Products has engineered a new Structural Concrete product, a fast turnaround repair solution called Five Star Structural Concrete ES-60. It has meaningfully improved performance (compared to ready-mix concrete). With a working time of 60-90 minutes, Five Star Structural Concrete ES-60 allows mixers to be placed at a distance from the application, facilitates faster placement of larger volumes, and lowers installation costs.

TYPICAL PROPERTIES @ 70-90° F (21-32° C)

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Compressive Strength, ASTM C 109	
6 Hours	3,000 psi (20.7 MPa)
1 Day	4,500 psi (31.0 MPa)
7 Days	6,000 psi (41.4 MPa)
28 Days	7,700 psi (53.1 MPa)
Bond Strength, ASTM C 882	
1 Day	2,000 psi (13.8 MPa)
7 Days	2,500 psi (17.3 MPa)
Length Change, extended with pea gravel, ASTM C 157	
28 Days Wet	+0.05%
28 Days Dry	-0.09%
Thermal Coefficient of Expansion, ASTM C 531	
6.0 x 10 ⁻⁶ in./in./°F (10.8 x 10 ⁻⁶ mm/mm/°C)	
Scaling Resistance, ASTM C 672	
50 cycles	0
Chloride Ion Permeability, ASTM C 1202	
28 Days	Very Low (<1,000 Coulombs)
Working Time	
60 minutes @ 90° F (32° C)	
90 minutes @ 70° F (21° C)	

SPECIFICATIONS SUBJECT TO CHANGE. REFER TO DATASHEET AT FIVESTARPRODUCTS.COM.