



Isocrete 4000 (1/4" - 6")

A trowel-applied, fast cure and high performance cement base for sloping and patching floors.



Fast Cure:

Accelerates cure time, providing a walk on surface in just 4 hours.



Hygienic:

Protein-free formulation prevents the growth and spread of bacteria.



Trowel Applied:

Hand troweled to fill holes and depressions as well as create slopes.



Strong:

Can be installed up to 6" thick for areas subject to frequent and heavy traffic.



Flexible:

Can be overcoated with a variety of finishes including tiles, vinyl and polymer flooring.

Application Suitability:

Food & Beverage Plants	✓
Manufacturing Facilities	✓
Warehouses & Distribution Centers	✓
Hospitals & Healthcare Facilities	✓
School & College Buildings	✓
Large Residential Complexes	✓
Retail Stores & Shopping Malls	✓

COMPRESSIVE STRENGTH:

ASTM C 109	3 hrs: 1,200 psi 28 days: 8,000 psi
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BOND STRENGTH:

ASTM C 882	1 day: 1,500 psi 7 days: 2,100 psi
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LENGTH CHANGE:

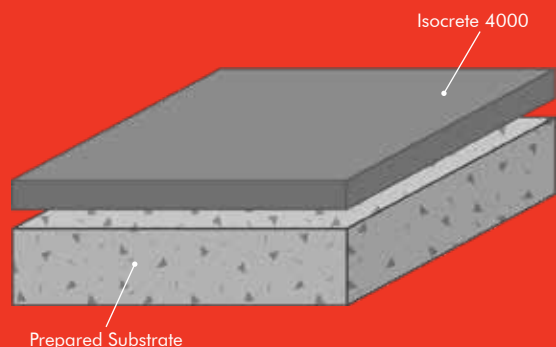
ASTM C 157	28 days wet: +0.02% 28 days dry: -0.03%
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CHLORIDE ION PERMEABILITY:

ASTM C 1202	3 days: <500 coulombs 28 days: <300 coulombs
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SPEED OF CURE:

	50°F	70°F	90°F
Light Traffic	6 hrs	4 hrs	3 hrs
Full Traffic	10 hrs	6 hrs	4 hrs
Full Chemical Cure	35 days	28 days	21 days



Products Included In This System

Mortar: Primers: Scrub Coat or Isocrete Primer Plus or Key 502/Flowprime (+ sand broadcast)

Isocrete 4000 – 50 lb unit

Yield*: 0.39 cubic feet (approx. 10 sq ft per bag at 1/2")

Mortar consists of 50 lbs of Isocrete 4000 and 5 pints (80 fl.oz.) of water. After mixing 2 minutes, add no more than 0.25 pint (4 fl.oz.) of additional water if needed to achieve more flow.

*Yield with 50% extension by weight with 3/8" clean pea gravel – 0.52 cubic foot (for applications over 1" depth).

Minimum/Maximum Application Thickness

Neat: 0.25 - 4 inches

Extended: 1 - 6 inches

Coverages listed are theoretical, actual coverages may vary based on substrate and site variations. Detailed application instructions are available upon request.

Installation

Installation should be carried out by a Key Resin Company preferred contractor with a documented quality assurance note. Obtain details of our preferred contractor network from our customer service team or by enquiring through our website. Detailed application instructions are also available upon request.

Substrate Requirements

Concrete or screed substrate should have a minimum of 3,000 psi compressive strength, free from laitance, dust and other contamination. The substrate should be dry to ASTM requirements and free from excessive moisture vapor transmission.

Protection on Completion

Ensure the screed is not subject to drafts during the first 6 hours of curing as this may lead to cracking and crazing. Tape up doorways with polythene to prevent air movement. Prevent contamination by following trades, e.g. plastering, including water spillage.

Technical Profile

The figures and test results shown overleaf are typical properties achieved in laboratory tests at 75°F and at 50% Relative Humidity.

Environmental Health & Safety

The finished system is assessed as non-hazardous to health and the environment. The long service life and seamless surface reduce the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Key Resin Company staff and fully trained application teams.

Drying Time

Moisture sensitive floor finishes can be installed after 5 hours at 70°F.

Note: If applying an epoxy coating, it is important to wet cure with polyethylene sheets for at least 3 hrs and then allow to air dry for 2 hrs prior to coating.

Warranty

Key Resin Company products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Disclaimer

Any recommendation or suggestion relating to the use of products manufactured by Key Resin Company, whether in its technical literature or in response to a specific inquiry, is based upon data believed to be reliable, however the products and information are intended for use by applicators having requisite skill and know-how in the industry and therefore it is for the applicator to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the applicator has done so at its sole discretion and risk.

[4/25/25]

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