



Coverage

Approximately 90ft² to 100ft² per sack at 3/8" thick. Coverage may vary due to ambient air temperature, surface temperature, surface porosity, mixing, and or application techniques. The amount of sand used will also cause coverage to vary.

Packaging

Moisture resistive,
94lb (42.6kg) bags

Storage

1. Store components in a cool, dry location.
2. Store away from direct contact with ground and/or concrete.
3. Store out of direct sunlight.
4. Protect bags from weather and other damage.

Shelf Life

1 year

Color

Natural grey color

Product Description

Super Cement is a mixture of portland cement complying with ASTM C150 and proprietary ingredients that increase the workability and early strength of the product. Super Cement is an excellent alternative to plastic cement and meets or exceeds job site requirements for portland cement-based plaster. Super Cement is available either as fibered or non-fibered.

Features

Proprietary Mixture

Eliminates Lime

Pumpable

Less Alkali

Factory Mixed

Benefits

Increased early strength and workability

Cost savings and reduced inventory

Increased productivity; reduced labor costs

Reduced efflorescence

Batch to batch consistency; no field additives

Basic Uses

Super Cement is designed for use in the production of portland cement-based plaster in accordance with Table 21-A and 25-F of the Uniform Building Code, Section 2512 of the International Building Code, or ASTM C926. It is an acceptable alternative when portland cement with Gibco or lime is specified.

Area of Use

Super Cement may be applied to the following substrates:

1. Approved lath
2. Masonry
3. Poured-in-place and/or tilt-up concrete
4. Other approved cementitious substrates

Optional Product Upgrades/Enhancements

PRODUCT	BENEFIT
AkroLoc/PolyLoc/ Admix 500	Liquid admixtures that reduce cracking and increase tensile, bond, and flexural strengths
OmegaCure	Liquid accelerator to improve hydration, increase early strength/hardness, and allow cold weather application
Crack Isolation System	Supplementary system designed to mitigate surface cracking in new and existing plaster systems by integrating woven fiberglass mesh into the base coat or brown coat prior to applying the finish

Surface Preparation

Solid Substrates

For solid substrates, such as concrete or masonry, surfaces to receive application must be structurally sound, clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Repair cracks with the appropriate patching material for the existing substrate as needed. Bonders or admixtures may be required to ensure proper adhesion.

Framing

Ensure substrates, water-resistive barrier, and lathing have been installed and inspected as required by Omega Product's literature and local building codes as applicable.

Mixing

Mix per IBC section 2510, ASTM C926, or as follows:

1. Add a sufficient amount of potable water to the mixing apparatus.
2. Add Super Cement Sanded to mixer and optional admix per admix data sheet.
3. For the first coat, add 2.5 to 4 parts plaster sand per 1 part Super Cement by volume or approximately 200lb to 320lb (90kg to 145kg) per 94lb bag of Super Cement. For the second coat, add 3 to 5 parts plaster sand per 1 part Super Cement by volume or approximately 240lb to 400lb (109kg to 181kg) per 94lb bag of Super Cement. Plaster sand should comply with ASTM C897. Amount of sand added may vary due to moisture content and/or composition of plaster sand. The same or greater sand proportion shall be used in the second coat than is used in the first coat.
4. Mix for approximately 3 to 5 minutes.
5. Stop mixer and allow the material to take its initial set.
6. Material may be retempered once adding only enough water to reach the desired consistency.

NOTE: Do not over mix.

Application

Omega Super Cement can be hand troweled or machine applied. Apply per IBC section 2510, ASTM C926, or as follows:

Over Lath

1. Scratch Coat: Apply the mixed Super Cement to a nominal thickness of 3/8" using a hawk and trowel or pump.
2. Brown Coat: Once the scratch coat has sufficient strength to hold the brown coat, apply the mixed Super Cement to a nominal thickness of 3/8" using a hawk and trowel or pump.
3. Rod and screed to achieve a uniform surface.
4. Float the freshly applied Super Cement to prepare surface for finish.

Over Masonry or Cementitious Substrates

1. Ensure surface is structurally sound and properly prepared to ensure bonding. Use of bonding agent may be necessary.
2. Apply the mixed Super Cement to a maximum of a 1/2". Greater thickness is possible, but requires lath.
3. Rod or screed to achieve a uniform surface.
4. Float the freshly applied Super Cement to prepare surface for finish.

NOTE: All coats must be applied with sufficient material and pressure to ensure tight contact and complete coverage of the base, to a nominal thickness.

Curing

Provide sufficient moisture in the plaster mix or by moist or fog curing to permit continuous hydration of the cementitious materials. The most effective procedure for curing and time between coats will depend on climatic and job conditions. Please consult your local building code for more information.

Limitations

DO NOT apply product when the ambient and surface temperature is below 40°F (4°C).* When hot, dry, or windy conditions exist, moist curing and protection must be provided. The ambient and surface temperature must maintain the above requirements until fully cured (See CURING). Material that is allowed to freeze may suffer irreparable damage. Protect all work from inclement weather with an approved protective system until fully cured.

DO NOT add any other materials to the mixture of the product without written approval from Omega Products International, Inc.

DO NOT deviate in the mixing or application procedures contained in this, or any other Product Data Sheets, without written approval from Omega Products International, Inc.

DO NOT apply Super Cement if there are contaminants on the receiving surface. Contaminates may include, but are not limited to, dust, debris, efflorescence, and/or oils.

DO NOT add any more water than prescribed.

DO NOT saturate the wall during preparation and/or water curing.

DO NOT use excessive amounts of water when floating.

NOTE: Failure to follow manufacturer's written specifications could result in the following, but not limited to spalling, cracking, peeling, chipping, delamination, discoloration, wash off, and overall system failure.

* To ensure proper hydration in cold weather applications (approximately 50°F to 32°F) use OmegaCure admix. Refer to OmegaCure data sheet for additional information.

Cleaning

Cleaning may be accomplished with water immediately after use.

Safety

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

KEEP OUT OF REACH OF CHILDREN

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ucts are beyond the control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product for his/her independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.

Claims

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect. For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

Technical Assistance

Technical assistance and information is available by calling Omega Products International, Inc. at (800) 600-6634 or FAX (951) 520-2594 or by e-mail at info@omega-products.com.

Warranty

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the manufacturer's plant and is accompanied with proof of purchase and batch number.