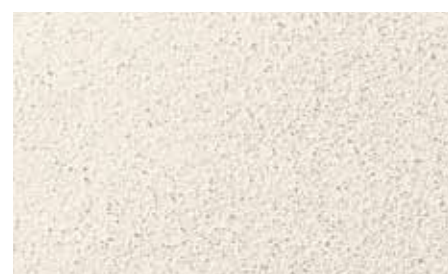


KEIM renders



since 1878



hydrated lime, white cement plaster
for rendering interior and exterior surfaces

KEIM UniversalPutz

recommended substrate for all KEIM silicate coatings

MasterFormat™ Division 09 - Finishes

(See back page for complete division listings)





KEIM UniversalPutz render installation

- a. glass mesh strips are cut to length
- b. mix UniversalPutz with water
- c. dampen highly absorbent surfaces
- d. apply 4mm layer of render
- e. stick glass mesh onto surface of wet render, trowel in
- f. as work progresses, glass mesh rolls are added with 4" overlap on sides
- g. unroll glass mesh as work progresses
- h. glass mesh encourages a flat surface to form
- i. allow to dry overnight, then apply top layer of render and sponge float or trowel to desired texture

new construction, damaged stucco and difficult substrates

a durable and economic solution

KEIM UniversalPutz renders are used throughout the world in all climates and weathering exposures. It is a complete mineral system made of hydrated lime, white cement, quartz sand and glass fibers. Together, these inorganic materials naturally resist cracking. No acrylic or polymer modifiers are used.

UniversalPutz is a pure mineral product perfectly suited for mineral interiors and exteriors, used daily in new construction and renovation. A member of the same family as the substrates it is applied to, UniversalPutz render provides excellent adhesion. Embedding KEIM Glass Fiber Mesh ensures a crack-free surface. Even on virgin hard brick, UniversalPutz render will not delaminate; it is a direct-applied product.

For renovation, UniversalPutz may be used over existing sound mineral substrates, even Portland stuccos that are cracking. Its flexibility and long working time permits easy troweling for reproducing surface textures. Worn columns are restored to their former beauty while preserving architectural details. Old plaster is renewed for a more durable and forgiving surface.

The unique chemistry of UniversalPutz render allows a water resistant yet vapor permeable substrate that is compatible with KEIM mineral paints for full protection even in extreme weathering conditions. For over 125 years in Germany and throughout the world, people trust KEIM.





KEIM UniversalPutz renders may be spray applied or trowel applied



1 bedding the glass mesh by trowel into wet surface of base render



2 notched trowel application of top render layer



3 smoothing the top render



4 top render layer is equalized with coarse sponge float



5 top render layer is finished smooth with fine sponge float

KEIM UniversalPutz renders: for substrates that last for decades

superior in every respect

KEIM UniversalPutz renders are hydrated lime and white cement-based plasters that are rendered, or applied, to interior and exterior surfaces. This chemistry is strong yet far more flexible than Portland-based stuccos offering more textural options without the need for control joints. An extremely flexible material, it expands and contracts with the substrate through thermal hot/cold cycles without cracking, spalling or delaminating.

The thin layer two-coat installation goes on fast and smooth. It is lighter than Portland stuccos by half, has the same impact strength in comparable thicknesses, and is twice as flexible.

application

Apply directly over cementitious substrates like CMU block, concrete, masonry, brick, unglazed terra cotta, MGO board, paper and paperless

gypsum board. It may be finished in any imaginable way with textures, sculpted surfaces, or sanded smooth. For years it has been a preferred substrate for muralists.

Drying to a natural white limestone color, KEIM renders are protected with KEIM silicate coatings in paintable opaque mineral colors or using a Lasur technique for decorative effects. For severe moisture conditions, an application of KEIM Silan 100 underneath the silicate coatings provides excellent water repellency and high vapor permeability for the life of the coating.

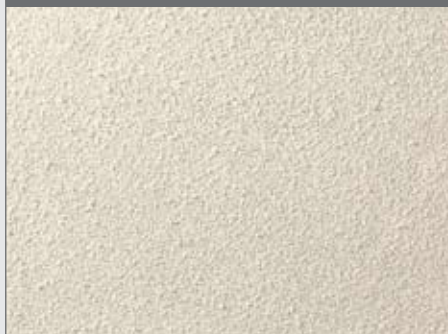
references

UniversalPutz has been used on a 21-story Beach Condo building and a 12-story US Department of Interior building. These are just two examples of many installations where KEIM UniversalPutz and KEIM silicate coatings were used without control joints.

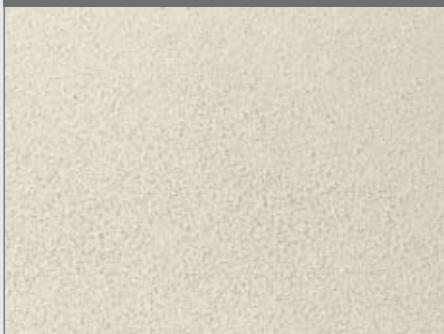


since 1878

KEIM UniversalPutz Std., sponge floated



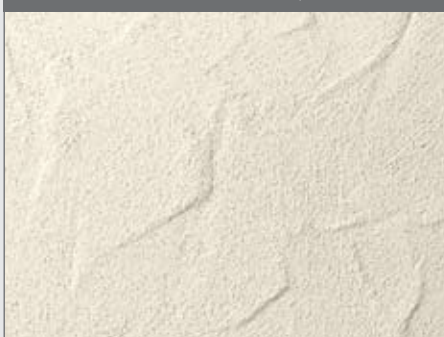
KEIM UniversalPutz Fine, sponge floated



KEIM UniversalPutz Std., textured



KEIM UniversalPutz Fine, textured



the strength and beauty of KEIM renders:

- water resistant yet highly vapor permeable
- thin layer application with KEIM Glass Fiber Mesh
- resists fungus and algae
- no polymers or acrylics
- no control joints required
- no cracking, peeling, or spalling
- KEIM render comes in two grain sizes, standard and fine
- compressive strength 1088 PSI at 3/8" layer thickness
- tensile tear strength 435 PSI, 33% to 117% more than Portland stucco
- lightweight, 2.14 pounds per SF, 50% to 80% less than Portland stucco

member



The Construction
Specifications Institute

Association for
Preservation
Technology

National Trust for Historic Preservation

UniversalPutz® is a registered trademark of KEIMFARBEN GmbH & Co. KG. KEIM is certified for establishing and applying an ISO 9001:2000 Quality Management System and an ISO 14001:2004 Environmental Management System.

Applicable MasterFormat™ Sections

09 20 00 Plaster and Gypsum Board

09 23 00 Gypsum Plastering

09 23 82 Fireproof Gypsum Plastering

09 24 00 Portland Cement Plastering

09 24 23 Portland Cement Stucco

09 24 33 Portland Cement Parging

09 25 00 Other Plastering

09 25 33 Lime Based Plastering

09 27 00 Plaster Fabrications

09 27 13 Glass-Fiber-Reinforced Plaster Fabrications

09 27 23 Simulated Plaster Fabrications

09 28 00 Backing Boards and Underlayments

09 28 13 Cementitious Backing Boards

09 28 16 Glass-Mat Faced Gypsum Backing Boards

09 28 19 Fibered Gypsum Backing Boards

09 29 00 Gypsum Board

09 29 82 Gypsum Board Fireproofing

the original silicate coating since 1878

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