

Structo-Gauge® Gauging Plaster



Quick-Set Slow-Set

For blending with lime putty to provide a high-strength, durable white finish for high-traffic areas

- Excellent hardness and abrasion resistance.
- Faster and easier to apply than RED TOP® Brand Keene's Cement.

Description

STRUCTO-GAUGE® Brand Gauging Plaster produces a high-strength, durable white smooth trowel finish when mixed with lime putty. It has excellent hardness and abrasion resistance, which makes it ideal for high-traffic areas and other applications requiring durability and abuse resistance. It is faster and easier to apply than RED TOP Keene's Cement for smooth finished surfaces. Should be used over high-strength wood fiber or sanded gypsum basecoats, but not over lightweight aggregated or portland cement basecoats or masonry. Quick-Set formulation sets in 30-40 minutes, making it ideal for use over low-suction veneer basecoats. Slow-Set formulation sets in 60-75 minutes and is best for use over regular sanded basecoats. Meets ASTM C28.

Limitations

1. High-strength finishes such as STRUCTO-GAUGE Gauging Plaster must not be used over STRUCTO-LITE® Brand Basecoat or other basecoats with lightweight aggregate over any gypsum base.
2. Gypsum-based finishes should not be used directly over a portland cement basecoat or over concrete block or other masonry surfaces.

Directions

Mixing

Mix double-hydrate limes in a clean container or mechanical mixer. Add one bag of lime to 5-1/2 to 6 gal. of water (21-23 liters) and mix until the putty is smooth. Mix with a portable drill mixer 2-1/2 to 3 min. at 450-600 rpm or with a paddle mixer for 12-20 min. at 50-75 rpm.

Mix single-hydrate limes in a clean container, using approximately 6 gal. (23 L) of water to each 50-lb. (22.7 kg) bag of lime. For a smooth, plastic putty, machine-mix to a soupy consistency, then pour it into a soaking box and hoe briskly. Let the mix soak for 16 hours and then screen the putty through 8-mesh hardware cloth before using.

To prepare finish plaster, mix STRUCTO-GAUGE Gauging Plaster in proper proportion by dry weight (see table) with lime.

Application

Apply a tight scratch coat over the entire working area of the partially dry basecoat. Immediately double back with material from the same batch and fill out to a true and even surface nominally 1/16" thick (no more than 1/8" thick). Allow the surface to become firm, then trowel well with water. Final-trowel after finish has begun to set. Surface should be free from cat faces and other blemishes or irregularities.

STRUCTO-GAUGE Gauging Plaster and lime with sand may be used to produce a float finish; however, best results are achieved by using RED TOP Keenes Cement and lime with sand. For float finish coats, scratch in plaster thoroughly and immediately double-back to a true, even surface. Use a sponge, cork, wood, carpet or rubber float to bring the aggregate to the surface to produce a finish of uniform texture free of slick spots, cat faces and other blemishes. Use water sparingly to prevent variations in texture and finished color.

Product Data

Product	Finish Texture	Physical Properties	Gauging to Lime, to sand (dry wt.)	Approx. Coverage per Ton (sq. yds.) ⁽¹⁾
STRUCTO-GAUGE and Lime Finish	Smooth Trowel	Extremely hard and resistant to abrasion	100 lbs. gauging 100 lbs. lime	380
		Hard and resistant to abrasion	100 lbs. gauging 200 lbs. lime	430

1. 1/16" thick.

Application: Interior use only.

Compliance with Standards: STRUCTO-GAUGE Gauging Plaster complies with ASTM C28.

Storage: Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 55 °F (13 °C).

Shelf Life: Up to 6 months under protected storage conditions. Rotate stock.

Availability and Cost: STRUCTO-GAUGE Gauging Plaster is distributed throughout the United States. Contact a United States Gypsum Company sales office for additional information.

Packaging: STRUCTO-GAUGE Gauging Plaster is available in 50 lb. (22.7 kg) bags.

Submittal Approvals:

Job Name		
Contractor		Date

WARNING!

When mixed with water, this material hardens and becomes very hot – sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Avoid irritation by reducing exposure to dust. Use in a well-

ventilated area or provide sufficient local ventilation. Do not ingest. If dusty, wear a NIOSH/MSHA-approved dust respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call physician. Wash with soap and water after use. If ingested, call physician. Product information and MSDS: (800) 507-8899 or www.usg.com. **KEEP OUT OF REACH OF CHILDREN.**

Trademarks

The following trademarks used herein are owned by United States Gypsum or a related company: RED TOP, STRUCTO-GAUGE and STRUCTO-LITE.

Note
Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

Notice

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!

Follow good safety and industrial hygiene practices during handling and installation of products and systems. Take necessary pre-cautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

