

USG BEADEX® BRAND SILVER SET™ LIGHTWEIGHT SETTING-TYPE JOINT COMPOUNDS



DESCRIPTION

USG Beadex® Brand Silver Set™ Lightweight Setting-Type Joint Compounds are chemically setting compounds for drywall interiors and exteriors that permit same-day joint finishing, and, usually, next-day decoration. Compounds weigh 25% less than conventional setting-type joint compounds for easy handling and sand easily for fast, smooth finishing. They are ideal for heavy fills and are virtually unaffected by extreme humidity. They provide low shrinkage and superior bond, which makes them excellent for laminating gypsum panels to gypsum panels, and to above-grade concrete surfaces. In addition, they can be used for filling, smoothing and finishing interior concrete ceilings and above-grade concrete; and for finishing joints in exterior gypsum soffit panels.

To meet varying job requirements, a full line has been developed to provide a choice in setting times. The suffix number identifying each joint compound indicates an approximate working time.

Product	Working Time (mins.)	Setting Time (mins.)
USG Beadex® Brand Silver Set™ 5	5-6	8-12
USG Beadex® Brand Silver Set™ 20	15	15-25
USG Beadex® Brand Silver Set™ 40	30	32-48
USG Beadex® Brand Silver Set™ 90	80	80-105

LIMITATIONS

1. Setting action cannot be delayed or prevented by dilution with water.
2. Not to be applied over moist surfaces or surfaces likely to become moist, or on below-grade surfaces or surfaces projecting outside building structure unless protected from direct exposure to moisture.
3. Before using over new interior concrete surfaces, allow concrete to age 60 days or more. Remove protrusions, ridges, form or parting oils, grease and efflorescence.
4. Prior to using any epoxy coating over any surface treated with joint compound, consult the epoxy coating manufacturer and follow manufacturer's specific recommendations regarding the preparation or suitability of substrates for the epoxy coating. Many epoxy coatings exert significant shear stress on the substrate as the strong epoxy film shrinks while curing/drying. This stress can cause the bond of the joint compound to fail, resulting in delamination problems.
5. Do not use setting-type joint compounds for thin skim coats.
6. If setting-type joint compound dries before it sets, bond failure may result.
7. Not to be mixed or combined with other products except for USG Standard Strength Accelerator or Retarder. Temperature of mixing water can affect setting times. Typically, cold water (below 55°) can increase and, inversely, hot water can decrease setting times.
8. Not recommended for use in mechanical tools.
9. Setting time is a range that can be affected by temperature, relative humidity and wet-thickness. Application to porous surface or at less than 1/8 in. thickness may prevent chemical setting and bond.

APPLICATION PREPARATION

Position and apply USG Sheetrock® Brand Gypsum Panels in accordance with manufacturer's recommendations. In cold weather and during gypsum panel joint finishing, temperatures within the building shall be maintained at a minimum of 55°F (13°C). Adequate ventilation shall be provided to carry off excess moisture. Prior to application, all gypsum panels shall be free of dirt, oil or other foreign matter to ensure proper bond of joint compounds.

MIXING

In cold weather during gypsum panel joint finishing, minimum surface, water, mix and air temperature of 45°F must be ensured until joints are completely dry. Adequate ventilation shall be provided to carry off excess moisture. Mix what can be used within the working time. Use a clean container for each batch. Add 1 bag into approx. 5-6 qt. clean water. Mix 1 minute or until smooth, scrape container sides. Add water if needed and remix approx. 1 minute or to preferred consistency. Do not re-temper or mix with any other material.

GYPSUM PANEL FINISHING

Mix compound according to directions on bag. Prefill any gaps formed by abutting tapered edges of the panels with USG Beadex® Brand Silver Set™ Lightweight Setting-Type Joint Compound. Apply compound directly over prefill area with a flexible 5" or 6" joint finishing knife. Wipe off excess compound that is applied beyond the groove. Allow prefill compound to harden prior to the next application (tape-embedding coat).

Cover joint with a thin layer of compound and embed tape, leaving about 1/32" of compound under feathered edge and a thin layer over the tape. After compound has set, apply second coat, feathering out approximately 2" beyond first coat. After setting, apply third coat, feathering out 2" beyond second coat. After each coat is applied, smooth away any tool lap marks or other imperfections prior to setting action. Finish corner bead and inside corners as required with at least two coats, feathered and smoothed out onto panel faces.

Note: Number of coats may also vary dependent on jobsite and environmental conditions.

DECORATION

For priming and decorating with paint, texture or wallcovering, follow manufacturer's directions for materials used. All surfaces, including applied joint compound, must be thoroughly dry, dust free and not glossy before decorating.

Drywall Primer: A priming material applied over the entire prepared gypsum panel surface prior to decoration. The priming material must be suitable for the substrate and applied as recommended by the coating manufacturer. Where final appearance is critical, the application of a flat drywall primer with high pigment solids tends to minimize most decorating problems.

A prime coat of USG Sheetrock® Brand First Coat™ Primer or a good quality interior latex flat wall paint with a high pigment solids content should be applied undiluted and allowed to dry before decoration. Walls to be covered with wallpaper or vinyl wallcovering should have the surface treated per the wallcovering manufacturer's recommendation.

USG Sheetrock® Brand ready-mix conventional and lightweight joint compound products can be used in a skim coat operation when properly prepared as a skim coating material. Refer to USG literature *Finishing & Decorating Gypsum Panels* (J2010) for information regarding skim coating with USG Sheetrock® Brand ready-mix joint compounds.

Factors not covered in this publication may also affect the finished appearance of any surface.

FILLING AND FINISHING OVER INTERIOR POURED CEILINGS

Grind high plane differences in concrete level with adjacent area; also remove any form oil, efflorescence and greasy deposits. Prime exposed metal with a good rust-inhibitive primer. Fill offsets or voids with joint compound. Apply additional coats of joint compound as necessary, after each coat has set, but not necessarily dried. After the final coat of joint compound has dried, apply an undiluted coat of USG Sheetrock® Brand First Coat Primer or a good quality flat latex drywall primer with high pigment solids over entire surface and allow to dry.

EXTERIOR JOINT TREATMENT

Mix joint compound according to directions on the bag. Do not overmix or use at temperatures below 45°F (7°C). Prefill joints of exterior gypsum soffit panels with compound. After prefill has set, embed USG Sheetrock® Brand Joint Tape centered over joint. When compound has set, immediately apply fill coat. Apply compound over flanges, control joints, corner beads and metal trim. Spot fastener heads. After fill coat has set, apply finishing coat of compound. Completely cover all joints, angles, beads, control joints and fasteners. After the compound has dried, apply one coat of a good quality exterior primer. Then follow with at least one coat of a good quality exterior paint.

LAMINATING

Apply joint compound in the prescribed manner to back of face panels to be laminated. Laminate face panels to base layer panels using moderate pressure and temporary nailing or shoring to ensure adequate bond.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

DANGER

May cause cancer by inhalation of respirable crystalline silica. Do not handle until all safety precautions have been read and understood. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Use a sander with vacuum attachment or wet-sanding to reduce dust. Wear protective gloves/protective clothing/eye protection. If swallowed, inhaled, or skin irritation occurs immediately get medical attention. If on skin: Wash with plenty of water. 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. Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Prolonged or repeated breathing of respirable mica dust may cause lung disease (pneumoconiosis). Dispose of in accordance with local, state, and federal regulations. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

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NOTICE

USG warrants that its joint treatment products are free from defects in material and workmanship at the time of manufacture. USG shall not be liable if any loss or damage was caused by improper storage of the products, or if the products were not used and applied according to USG's current printed directions and specifications including, with respect to using joint compound for a skim coat, USG literature *Finishing & Decorating Gypsum Panels* (J2010). USG's liability for defective goods is expressly limited to replacement or, at USG's election, to repayment of the purchase price. USG shall not be liable for incidental, consequential or special damages. For further details see USG's standard limited warranty at usg.com. 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. For full terms and conditions, please visit usg.com

SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.



PRODUCT DATA

Type: A setting-type joint compound

Color: Natural. May vary based on origin.

Use: Hand tool application

Dilution (water): Approximately 6-7 qt. /18 lb. bag. Refer to packaging instructions for specific water dilution directions.

Density (dry bulk): 32 lb./ft.³

Coverage: Approximately 52 lb./1,000 sq. ft. of gypsum panels.

Compliance with Standards: Meets ASTM C475, *Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board*

Storage: Close open bags as tightly as possible and store in a dry place.

Freezing Sensitivity: None after set, but not necessarily dry

Shelf life: Up to 6 months in controlled environmental conditions. Exposure to moisture or humidity during storage can have an adverse impact on product performance.

Packaging: 18 lb. bags for USG Beadex® Brand Silver Set™ 5, 20, 40, 90

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

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