

# Beadex® Lightweight Setting-Type Joint Compounds



## Silver Set™

### For one-day drywall finishing

- For interior gypsum panels and exterior gypsum ceiling boards
- Weighs 28% less than conventional setting-type compounds
- Sanding ease similar to a ready-mixed, all-purpose joint compound
- Unique humidity resistance
- Exceptional bond with low shrinkage
- Check-crack resistance in heavy fills
- Choice of setting times

### Description

BEADEX® brand SILVER SET™ lightweight setting-type joint compounds for drywall interiors save time and money by permitting same-day joint finishing, and usually next-day decoration. The chemically setting compounds mix quickly with water and are applied after a short soaking period and remixing. They are lightweight for easy handling and sand easily for fast, smooth finishing.

SILVER SET lightweight setting-type joint compounds are ideal for heavy fills and are virtually unaffected by humidity. They provide low shrinkage and superior bond, which makes them excellent for laminating gypsum panels to gypsum panels, to sound-deadening boards, and to above-grade concrete surfaces. In addition, they can be used for filling, smoothing, and finishing interior concrete ceilings and above-grade concrete; taping and finishing gypsum panels, under tile, and for finishing joints in exterior gypsum ceiling boards.

To meet varying job requirements, a full line of SILVER SET joint compounds has been developed to provide a choice of approximate setting times. SILVER SET 5 joint compound sets in about 5–10 minutes; SILVER SET 20 joint compound sets in about 15–25 minutes; SILVER SET 40 joint compound sets in about 32–48 minutes; and SILVER SET 90 joint compound sets in about 75–105 minutes.

### Limitations

1. Setting action cannot be delayed or prevented by dilution with water.
2. Do not apply 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.

### Application

#### Preparation

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.

#### Gypsum Panel Joint Treatment

Position and apply gypsum panels in accordance with manufacturer's recommendations.

Mix compound according to directions on bag. Allow prefill compound to harden prior to the next application (tape-embedding coat).

Cover joint with a thin layer of compound and embed fiberglass or paper joint 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 hardening action. Finish fastener heads with three coats of joint compound; finish corner bead and inside corners as required with at least two coats, feathered and smoothed out onto panel faces.

<b>Decorating</b>	<p>For priming and decorating with paint, texture, or wallcovering, follow manufacturer's directions for materials used. All surfaces must be dry, dust-free, and not glossy. A prime coat of a USG primer product or a good-quality interior latex flat wall paint with high solids content should be applied undiluted and allowed to dry before decorating. Walls to be covered with wallpaper or vinyl wallcovering should be sealed per manufacturer's recommendations. To improve fastener concealment where gypsum panel walls and ceilings will be subjected to severe artificial or natural side lighting and be decorated with a gloss paint (eggshell, semigloss or gloss), the gypsum panel surface should be skim-coated with BEADEX® or SHEETROCK® brand all purpose joint compound to equalize suction before painting (see USG publication J510).</p>
<b>Filling and Finishing Over Interior Poured Ceilings</b>	<p>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 SILVER SET lightweight setting-type joint compound. Apply additional coats of joint compound as necessary, after each coat has set, but not necessarily dried to create crack-free fills that eliminate edge joining from showing through the surface decoration. Take care to create a smooth surface, free of irregularities or sections that will be exposed to sharply angled lighting. Apply a thick skim coat of SILVER SET lightweight setting-type joint compound over entire surface. Skim coat must be thick enough to prevent dryout before setting, or band failure may result. After the final coat of joint compound has dried, apply an undiluted coat of a USG primer product or a good quality latex flat wall paint with high solids content over entire surface and allow to dry. For textured ceiling, apply a USG ceiling spray texture in a uniform coat at a rate not exceeding 10 ft.<sup>2</sup>/lb.</p>
<b>Use with SHEETROCK® MOLD TOUGH™ Gypsum Panels</b>	<p>In areas to be tiled, for tapered edge joints, embed a USG joint tape with SILVER SET lightweight setting-type joint compound 40 or 90. When set, apply a fill coat. Take care not to crown the joint. Wipe excess joint compound from the panel surface before it hardens. For butt joints and interior angles, embed fiberglass or paper joint tape with SILVER SET lightweight setting-type joint compound 40 or 90. A fill coat is not necessary. Again, take care not to crown the joint. For fasteners, spot fastener heads at least once.</p> <p>Fill and seal all openings around pipes, fittings, and fixtures with a thinned-down coat of tile adhesive. For best results, use Type I Ceramic Tile Adhesive that meets ANSI A136.1 both as a sealer and to set the tile. With a 1" brush, apply the thinned compound onto the raw gypsum panel core at cutouts, and allow area to dry thoroughly prior to application of tile. Before compound dries, wipe excess material from the surface of gypsum panels. For areas not to be tiled, embed tape in the conventional manner. Finish with at least two coats of a USG joint compound to provide joint finishing for painting and wallpapering.</p>
<b>Exterior Joint Treatment</b>	<p>Mix SILVER SET lightweight setting-type joint compound according to directions on bag. Do not overmix or use in temperatures below 45 °F (7 °C). Prefill joints of SHEETROCK exterior gypsum ceiling board with joint compound. After prefill has set, embed paper joint tape, centered over joint. When compound has set, immediately apply fill coat. Apply joint compound over flanges of zinc control joints, corner beads and metal trim. Spot fastener heads. After fill coat has set, apply finishing coat of joint compound. Completely cover all joints, angles, beads, control joints and fasteners. After joints have dried, apply one coat of a quality oil or latex exterior primer. Then follow with at least one coat of a quality latex exterior paint.</p>
<b>Laminating</b>	<p>Apply joint compound in the prescribed manner to back of face panels to be laminated. Laminate face panels to (base layer panels) (coreboard) using moderate pressure and temporary nailing or shoring to ensure adequate bond.</p>
<b>Finishing</b>	<p>For painting and decorating, follow manufacturer's directions for materials used.</p>

**Product Data**

**Color:** Natural

**Filler:** Calcium Sulfate

**Mixing (potable water):** Approximately 12 to 14 pints/18 lb. (5.6 to 6.6 L/8.1 kg of SILVER SET lightweight setting-type joint compound). Refer to bag for specific mixing directions.

**Density (dry bulk):** 32 lb./ft.<sup>3</sup> (513 kg/m<sup>3</sup>)

**Freezing Sensitivity:** None after set, but not necessarily dry

**Coverage:** Average 52 lb./1000 ft.<sup>2</sup> (25.3 kg/100 m<sup>2</sup>) of gypsum panels

**Compliance with Standards:** Meets ASTM Standard C475

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

**Shelf Life:** Up to 6 months under protected storage conditions

**Packaging:** 18 lb. (8.1 kg) bags for SILVER SET 5, 20, 40, 90

**Submittal Approvals**

<b>Job Name</b>		
<b>Contractor</b>		<b>Date</b>

**Product Information**

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

**WARNING!**

When mixed with water, this material hardens and then slowly becomes hot. Do not attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. Avoid inhalation of dust and eye contact. Dust generated by sanding may cause eye, skin, or respiratory tract irritation. Use wet-sanding to avoid creating dust. If dusty,

wear a NIOSH/MSHA-approved respirator. Prolonged and repeated exposure to mica may cause lung disease. Wear eye protection. If eye contact occurs flush thoroughly with water for 15 minutes. If irritation persists, call physician. Do not ingest. If ingested, call physician.

Product safety information: 800 507.8899.

**KEEP OUT OF REACH OF CHILDREN.**

**Trademarks**

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**Note**

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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/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

