

## **MR-MANUFACTURER**

Conventional plaster systems are manufactured by United States Gypsum Company, a leader in construction materials and building systems for 90 years.

## **PP-PRODUCT PRESENTATION**

### **Basecoat Plasters**

**RED TOP® Gypsum Plaster** requires adding aggregate and water on the job. Supplied in three types:

- \* Regular -- for sand aggregate, hand application.
- \* LW -- for lightweight aggregate, hand application.
- \* Machine Application -- for sand or lightweight aggregate (with perlite lightweight aggregate, do not machine-apply through a hose longer than 150', or lift vertically over 30').

**RED TOP Wood Fiber Plaster** is a gypsum plaster containing fine particles of selected wood fiber. It is strongly recommended as a scratch coat for metal lath, but can be used on all standard laths and masonry. Wood fiber plaster normally requires adding only water. A 1 cu.-ft. volume of sand per 100 lbs. of plaster must be added when machine applied or used directly on masonry, and may be added when used as a scratch or brown coat.

**RED TOP Two-Purpose Plaster** is a gypsum plaster, for either hand or machine application, that requires adding aggregate and water on the job. Suitable for sand or lightweight aggregates meeting ASTM C35 (with perlite lightweight aggregate, do not machine-apply through a hose longer than 150', or lift vertically over 30').

**STRUCTO-BASE® Gypsum Plaster** develops higher strengths than conventional plasters, for security walls, handball courts, hospital corridors, high-performance suspended acoustical ceiling systems, schools, and wherever the ultimate compressive strength plaster is necessary. Provides a 2,800 psi compressive strength when tested in accordance with ASTM C472 using two parts of standard Ottawa sand. Available in Regular for hand application and MA for machine application.

**STRUCTO-LITE® Gypsum Plaster** weighs less than half as much as a sanded base coat. Has a "k" factor of 1.74. This ready-mixed, perlite-aggregated plaster provides three times the insulation value of sanded plaster, at an overall cost comparable to job-mixed lightweight aggregate plaster. It may be sand-float finished or used as a base for acoustical tiles. Smooth trowel finishes may be achieved over STRUCTO-LITE Plaster provided the lime-gauging finish plaster contains fine aggregate or aggregated gauging plaster and the lath is not metal lath. Requires adding only water on the job. Formulated in three types:

- \* Regular -- for gypsum or metal lath.
- \* Masonry -- for unit masonry only (high suction).
- \* Type S -- required for UL fire-rated Designs D401 and U402 (consult U.S. Gypsum for availability).

### **Prepared Finish Coat Plasters**

**IMPERIAL® Finish Plaster** provides the ultimate in surface hardness and abrasion resistance. Available for hand application -- provides a smooth-

trowel or float or spray-texture finish ready for decoration. Used as finish coat in STRUCTOCORE® Security Wall Systems.

**DIAMOND® Interior Finish Plaster** offers a strong, medium-hard white finish where the extra hardness of IMPERIAL Finish Plaster is not required. Extremely adaptable to textured finishes.

**RED TOP Finish** is a mill-mixed, gauged interior finish plaster which offers excellent troweling characteristics. Requires adding only water on the job with two formulations available:

\* Regular Set -- for use with conventional sanded gypsum basecoats.

\* Quick Set -- for use with IMPERIAL® Basecoat Plaster and DIAMOND® Veneer Basecoat Plaster.

### **Gauging Plasters**

CHAMPION® and STAR® White Gauging Plasters are, respectively, conventional quick-set and slow-set plasters, supplied in two formulations:

\* Unaggregated -- for sanded base coats.

\* Quality -- with perlite or sand fines, for lightweight aggregated basecoats.

**RED TOP Gauging Plaster** is identical to CHAMPION and STAR plasters, except darker in color.

**STRUCTO-GAUGE Gauging Plaster** provides extreme hardness, high strength and resistance to surface abrasion, but must be used only over high-strength base coats: wood fiber, sanded gypsum, STRUCTO-BASE or IMPERIAL. Provides a moderately hard finished surface with good workability when compared to IMPERIAL and DIAMOND Finish Products. Available in Quick or Slow Set formulations.

**RED TOP Keenes Cement** is capable of good surface hardness and resistance to surface abrasion. The hardness is achieved by extensive troweling (except in regular sand float finishes), which densifies the surface. Ideal for float finishes and job coloring. It is a dead-burned gypsum gauging plaster -- the only retemperable gauging plaster -- complying with ASTM C61.

### **Finishing Limes**

**Ivory® and Snowdrift Finish Limes.** Autoclaved double-hydrate lime virtually eliminates possible future expansion in the finish coat from unhydrated magnesium oxides. Does not require soaking.

**RED TOP and Grand Prize Normal Hydrate Finish Limes.** Single-hydrate lime requires overnight soaking before blending with gauging plaster.

### **UA-USES, APPLICATIONS**

These systems may be used in wood-framed and steel-framed construction for partitions, ceilings, exterior walls, chase walls, columns and many other applications.

### **AI-ASSEMBLY, INSTALLATION**

These conventional plaster products, applied to gypsum or metal lath, can be used in a wide range of fire-tested assemblies.

### **MF-MATERIALS, FINISHES**

U.S. Gypsum Company offers a complete line of gypsum and metal lath products which are finished with a broad line of basecoat and finish plaster systems.

### **CS-COATINGS, SURFACINGS**

Finished plaster coating can be made smooth, painted or finished in a range of texture options.

### **TS-TECHNICAL SUPPORT**

For further information on specifications, design criteria and product performance, order *SA-920 Plaster Products, Accessories & Systems* and *P-519 Plastering Materials* by calling 1-800-USG-4YOU (874-4968).

### **CC-CODES, COMPLIANCE**

RED TOP Gypsum Plaster, RED TOP Two-Purpose Gypsum Plaster, RED TOP Wood Fiber Plaster, STRUCTO-LITE Plaster, RED TOP Gauging Plaster, Structo-Gauge Plaster and STRUCTO-BASE Plaster meet ASTM C28. STRUCTO-LITE Plaster (perlite aggregate) meets ASTM C35. RED TOP Keenes Cement, regular and quick trowel, meets ASTM C61. RED TOP and Grand Prize Finish Limes meet ASTM C6 Type N. Ivory Finish Lime meets ASTM C206 Type S. RED TOP Masons Hydrate meets ASTM C207 Type N.

### **OM-OPERATION, MAINTENANCE**

Contact local U.S. Gypsum Company Sales Office with any questions about maintenance and replacement recommendations.