

PRODUCT NAME

# Gem-Plast™ Pool Plaster

Finishing Waterproofing Plaster for Swimming Pools



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Self-curing
- High crack resistant
- Tough and durable
- Excellent bond
- Waterproof
- Can be featheredged
- Easy to clean
- Superior freeze/thaw resistance
- Non-flammable
- Non-toxic
- Breathable
- Excellent workability

PRODUCT DESCRIPTION

Basic Use

*Gem-Plast Pool Plaster* is a waterproofing and finishing plaster for interior and exterior swimming pools

Composition and Materials

*Gem-Plast Pool Plaster* is a polymer modified, Portland cement based plaster. It is available as a complete Premix.

Limitations

Do not apply *Gem-Plast Pool Plaster* when the temperature is expected to be below 4°C (40°F) within 48 hours, or when rain is imminent. Follow Hot Weather concreting precautions when applying *Gem-Plast Pool Plaster* at temperatures exceeding 25°C (77°F), or under sunny and windy conditions. Maximum applied thickness must not exceed 6 mm (1/4 in).

Health and Safety

*Gem-Plast Pool Plaster* is non-toxic and non-flammable. Your skin might be sensitive to cement. We recommend use of rubber gloves. Avoid contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if digested. Keep product out reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information

Color

Industrial Grey and White.

Packaging

*Gem-Plast Pool Plaster Premix* is a one component material, packaged in 22.7 kg (50 lbs) bags.

Yield

*Gem-Plast Pool Plaster Premix*, when mixed with water, yields 12.5 L (0.44 ft<sup>3</sup>) and covers approximately 4.2 m<sup>2</sup> @ 3 mm (42.4 ft<sup>2</sup> @ 1/8 in) thickness per bag.

Storage and Transportation

*Gem-Plast Pool Plaster* when stored on pallets in a dry, cool area, has shelf-life of 12 months. Packaged 30 kits (*Concentrate*) or 55 bags (*Premix*) per pallet.

TECHNICAL DATA

Compressive strength (ASTM C109 modified)	31.0 - 34.5 MPa (4,500 - 5,000 psi)
Modulus of Rupture (ASTM C348)	5.5 to 6.9 MPa (800-1,000 psi)
Freeze/Thaw Resistance (ASTM C 666-Procedure A)	Weight loss < 1 %

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed. Contact Gemite's Technical Service for information specific to your application.

Surface Preparation

Remove all loose particles, dirt, oil, grease, form release agents, laitence, efflorescence and any other bond inhibiting materials by wet or dry sandblasting, or high pressure waterblast (min. 6,000 psi {410 bar}). The substrate must be in a saturated surface dry (SSD) condition and free of any standing water.

Crack Treatment

Any existing cracks must be treated separately.

Mix Design & Mixing

*Mix Gem-Plast Pool Plaster Premix* with 4.2 L (1.1 USG) of water. Use paddle or helix mortar mixer, or heavy duty (400-600 rpm) drill with a mixing paddle. Gradually add the dry material into water while mixing and mix until a smooth and lump free mix is obtained. Do not overmix *Gem-Plast Pool Plaster*. Adjust the water for the desirable consistency for spray/trowel application and a little stiffer consistency for trowel application.

Application

Apply *Gem-Plast Pool Plaster* by trowel to a uniform specified 3 - 6 mm (1/8 - 1/4 in) thickness.

Gemite Products Inc.  
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103610 Patching Compounds  
103700 Concrete Restoration

### **Curing**

Protect against rapid drying by water misting, wet burlap or non-solvent surface evaporation retardant for 24 hours.

### **Clean Up**

All tools must be cleaned with water immediately after use. Cured material can only be removed mechanically.

### **AVAILABILITY AND COST**

*Gem-Plast Pool Plaster* is available worldwide. Contact Gemite Products Inc. for the name of the nearest Representative / Distributor and current pricing.

### **MAINTENANCE**

Weak acid cleaning may be required or polo painting, in case of leaf or other stains.

### **WARRANTY**

A limited twelve (12) month Material Replacement Warranty is available. For details contact Gemite's head office.

### **TECHNICAL SERVICE**

For advice on suitability of *Gem-Plast Pool Plaster* for specific application, specification assistance and application instructions, contact Technical Service: USA 888-443-6483 or Canada 905-672-2020.



### **Short Specification**

The [finishing][waterproofing plaster will be *Gem-Plast Pool Plaster*, a polymer modified mortar manufactured by Gemite Products Inc., [USA, 888-443-6483] [Canada 905- 672-2020]. It will be mixed and applied according to manufacturer's specifications and recommendations. Contact Gemite Products Inc. for specification assistance and application instructions.