

# Expo MX<sup>5</sup>

## PCR Base Coat      Post-Consumer Recycled



### **DESCRIPTION:**

Expo MX<sup>5</sup> is a lightweight, dry, factory blended plaster mix specifically designed to conform to ASTM C926 requirements for Scratch and Brown plaster applications. MX<sup>5</sup> is a complete product requiring only the addition of water. The control of mix ratio and quantity of aggregates at the factory eliminate the inconsistency associated with job-site mixes. This provides a consistent mix from bag-to-bag and batch-to-batch which aids in producing a uniform, durable basecoat. In environmentally sensitive areas it removes the obstacle of containing contamination from on-site sand piles. MX<sup>5</sup> has excellent pumping and troweling properties for the contractor, while providing the building/owner with a durable plaster. No lime is used in the manufacture of MX<sup>5</sup> thus reducing the chances of efflorescence.

### **USE:**

MX<sup>5</sup> can be applied on code conforming lath assemblies. The same product is used for the first coat (scratch) and second coat (brown) in a three-coat application. MX<sup>5</sup> can be applied over properly prepared masonry and concrete surfaces as the first coat in a two-coat application.

### **COVERAGE:**

Coverage rate per 70 lb. (31.75 kg.) bag will yield approximately 4 square yards at 3/8 inch thickness (10 mm).

### **COMPOSITION:**

MX<sup>5</sup> meets ASTM C926 requirements for Portland Cement-based plaster.

### **ADVANTAGES:**

- Factory controlled blending for consistent results on the job
- Lightweight: fuel and freight cost savings, increased productivity, reduced back injuries
- Green: qualifies for LEED points in two categories: recycled products and regional materials.
- Convenience of handling and transporting one product
- Easy handling on difficult access and multi-story jobs
- Provides even suction in the basecoat for finish color uniformity
- Excellent workability
- Reduced shrinkage cracking
- No contamination from on-site sand piles
- No lime, reduces chance of efflorescence

### **SHELF LIFE:**

Six months if protected from the weather.

### **PACKAGING:**

70 lb. (31.75kg.) paper bags.

## **JOB PROCEDURE**

### **SUBSTRATE:**

On framed substrates lath shall be installed according to ASTM C1063 and all other applicable code requirements.

Masonry and concrete substrates must be sound, clean, unpainted and free of any residue that may affect the bond to the surface. Application shall be in accordance with ASTM C926 and all applicable building codes.

### **MIXING:**

Add approximately 1.75 to 2 gallons of clean potable water to a plaster mixer for each 70-pound bag of MX<sup>5</sup> to be mixed in a batch. Add MX<sup>5</sup> to the mixer and mix for approximately 3 to 5 minutes until optimum workability is achieved. Variation in water content and mixing time will affect strength and consistency from batch to batch.

### **APPLICATION:**

MX<sup>5</sup> may be machine or hand applied in accordance with ASTM C926 and all applicable building codes. MX<sup>5</sup> shall be placed in final position within one hour after initial mixing. Retempering mix will affect strength, consistency and uniformity. Do not apply when temperatures are below or expected to fall below 40° F prior to cure. Do not apply in extremely hot or windy weather. Proper curing is essential.

### **CURING:**

Proper curing is important especially in hot or windy conditions. Provide sufficient moisture to permit continuous hydration of the cementitious materials and minimize cracking. Under normal conditions MX<sup>5</sup> should be moist cured for the first 48 hours after application, thoroughly wetting the wall with a fine mist of water twice a day. In extreme hot and/or windy conditions it may be necessary to moist cure 4 or 5 times daily.

### **FINISH COAT:**

MX<sup>5</sup> may be coated with traditional cement stucco color coats or acrylic texture finishes.

### **WARRANTY:**

The technical information and usage statements are based on ASTM C926. The contents of this specification sheet are presented for informational purposes only and do not constitute responsibility for their use. The manufacturer will only replace that material which is proven defective due to quality of the components or the manufacturing process.

### **CAUTION:**

Safety glasses and a dust mask are recommended when handling any blended mixture containing silica. The cementitious materials mixed on site are alkaline in nature and on contact with water will irritate the eyes and skin. If contact with eyes occurs, flood eyes repeatedly with clean water and see a physician immediately. Do not rub eyes.

### **MATERIAL STANDARDS:**

This product conforms to ASTM C-926.