Session T152- Architectural Precast Concrete:

A Stunning and Resilient Solution to Your Building Enclosure Aesthetics
Do you think this was the look they were after?
Does this entice you to stay here?
Do you find this attractive?
Nice shape but maybe a little too much grey?
Ok let’s add some Colour
Hold it, what are you using?

How long does it last?

Is this new technology?

Has it been tested?
For Concrete we recommend **Potassium Mineral Silicate Stain (PMSS)** it’s an extremely durable aqueous mineral silicate-sol based stain for vertical concrete and masonry surfaces. It penetrates and bonds to dense materials. The thin base keeps natural surfaces from being covered up, while providing the desired color. Professional color technicians and accredited applicators custom blend light fast colorants and incorporate these in the formulation to achieve the natural color finish required. The application and degree of translucency is customized to meet aesthetic requirements while always maintaining a natural look. This product can be applied in color densities from a wash of faint color through to full opacity. **PMSS** is very effective at blending away color variations that naturally occur in concrete. This includes blending away unsightly or mismatching patch repairs and skim coat finishes. **Environmental & Safety Concerns**

**PMSS** is water based, nonflammable, nonhazardous and ZERO VOC content. **Application**

1) Verify that concrete surfaces are free from contaminants and are dust free. Where the concrete has mold release residue and requires cleaning apply concrete Surface Cleaner and rinse with water. Remove more stubborn stains with 240 grit sandpaper.

2) Verify that concrete, surfaces are dry to touch at the surface and are dust free after cleaning and surface preparation.

3) Application of **PMSS** is possible in temperature of 41°-109°F (5°-42.7°C)

4) **PMSS** is custom blended by professional color technicians and the application technique is verified to meet the aesthetic finish specified. **Coverage/Treatment Yield**

200-400 sq ft (60-120m²)per gallon depending on the absorbency of the substrate **Warranty**

**PMSS**, when applied by Accredited Applicators, should carry a limited 25 year warranty.
Is colour really important?

How many sea lions?
Now that’s Shape and Colour!
Have them stained in the yard and delivered as a finished product.
How do they do that . . .

Glad you asked!

Using Formliners and Colour.
It all starts with an Idea.
CAD drawings are developed, then converted into 3D models for approval.
A master mold is made and the surface sealed.

To create large master molds, several parts can be joined together.
Liquid Polyurathane Rubber is poured onto the master and allowed to self level avoiding air entrapment.
After 24 hours the polyurethane is cured and the liner can be removed from the master mold. Repeat this process for more molds.

A tube is used to roll the liner off the master mold.
Before the liners are delivered, final QC checks are made.

Finally the liners are trimmed down to size.
From idea to application
Ok, we’ve got form
What about colour?
Let’s look at Samples
Be Bold
Be Remembered
Be Bold
Be Remembered
Be Bold
Be Remembered
Be Bold
Be Remembered
Be Bold
Be Remembered
Now we have options!
What can we do?
How about a Copper Patina Finish!
Looks real doesn’t it?
Now we’re talking Colour!
Be Bold
Be Remembered
Surface Retarder
Endless Possibilities
Be Bold
Be Remembered
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Be Bold
Be Remembered
Be Bold
Be Remembered
Stairway to ... Heaven?
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Have a favorite Photo?
Engrave it in Concrete
Graphics, drawings and pictures transformed into 3D concrete.
Be Bold
Be Remembered