

Visual demonstration

Usage or lack of usage of **CAM & SA CAM 110**

One pictures can say more than 1.000 words. We let the pictures speak for themselves.

1. Usage of SA CAM 110 on standard walkway in a park.



Description:

This image shows a Walkway the lower section is 6 months old.

The upper section is 3 years old and treated with SA CAM 110. Same concrete type but with or without SA CAM 110.

You
make
your
conclusions

Fig 1

2. 20 year of bio lab.

Main issue here was Bio-Logical Contaminants in the concrete the concrete. The pictures illustrate very well how the “Purging Effect” and recover of concrete is possible with the usage of SA CAM 110. (Coupled with the fact that the Lab could be used for standard class-room usage post application, which was not possible before.)

The Purging Process at a 20-year Bio-Lab



Fig 2.

When discussing salt and other contaminant purging or expression from concrete, we have two realms of information to consider:

The visual observations have been many across varied contaminants. Laboratory and field testing have indicated chloride reductions of 40-60% in general when measured before and after treatment by titration. **SA CAM 110** is a revolutionary protection system that penetrates up to 32 mm. into concrete, sealing it from within.

- **Lab samples – testing improvement / strength using CAM 110 and SA CAM 110**



Fig 2a Concrete test under preparation.



Fig 2b: Pressure test cracked the form not the concrete.

3. Newly poured Concrete. The problems described below could have been avoided by the usage of CAM 110 & SAM CAM 110.



Fig 3 Rippled a poor condition



Fig 4 New Concrete cracked 28 days old pour



Fig 5 New Placed Concrete turned to long



Fig 6. Treated and non treated area is easy to see!

4. Concrete walking path contaminated with running rusty water for 5 days.



Fig 7 Left side with SA CAM 110, right without



Fig 8. Left side with SA CAM 110, right without



Fig 9. It is very easy to see where the SA CAM 110 was added and where it was not.

5. Concrete plates for house construction.

Four plates with the same form but upper treated with CAM 110 and the lower is not.



Fig 10. This application was done at a Precast concrete facility that was having an issue with there supply water. The element of the Left had CAM 110 in the mix water during batching and the element on the right did not.



Fig 11. Same elements from another angle, it readily apparent the quality improvement in visual effect, not to mention the internal improvements of performance of the concrete.

SA CAM 110 with a few words

Once **SA CAM 110** is applied your concrete floor will have added strength, a harder but not brittle surface, no dusting, no spalling and will be virtually impervious to internal attack from contamination.

SA CAM 110 is an environmentally neutral, penetrating, invisible, permanent protection solution, providing a surface that repels water, acids and oils, giving a more stain resistant floor with minimal effort between cleaning. **SA CAM 110** enhances dry surface traction and is odorless, safe and nonflammable.

- **40-50% Reduction in Curing time**
- **Access new concrete trades foot traffic 24 hours, Point Loads (Forklifts and Scaffolding) at 4 days.**
- **100% Waterproofing and Chemical Resistance for the life of the project with a one-time treatment.**
- **Converts regular mix designs to high performance ones**
- **Adds Workability by Increased Lubricity**
- **Stronger Bond of Concrete to Steel**
- **Decrease Cementitious Material Waste**
- **Greater Density and Less Permeability**
- **Reduces Bleed Water Volume**
- **94% Reduction of Dry Shrinkage and Cracking**
- **Elimination of Leaching and Efflorescence**
- **Elimination of Slab Curl Potential**
- **Elimination of Internal/External Dusting Potential**
- **Elimination of Freeze-Thaw Damage.**
- **Increased Flexural Strength**
- **Increased Compressive Strength**
- **Eliminates Chloride Induced Corrosion Potential**
- **Greatly Improves Durability (Life Cycle Potential).**

Eliminates the need for Multiple other single use additives and treatments. In conjunction with CAM–110 Admixture full benefits on all areas of concrete production can be realized.