

CAM 110 & SA CAM 110 Fast Track Construction

CAM 110 & SA CAM 110 can Eliminate Certain Admixtures streamlining the production process and improving overall material quality:

- **Eliminate additives:**
 - ✓ Densifier can be eliminated
 - ✓ Alternate Waterproofing Treatments eliminated
 - ✓ Water Reducers eliminated
 - ✓ Inhibitors can be eliminated

- **CAM 110& SA CAM 110 can reduce Labor Cost:**
 - ✓ Reduced application cost.
 - ✓ Elimination of water placement cost.
 - ✓ One-time application cost, that never has to be renewed.

- **CAM 110 & SA CAM 110 can reduce turnaround times by 40-50% (COST SAVINGS):**
 - ✓ Reduction of time off site – 1 hour till foot traffic, 4 days for point load.
 - ✓ Reduction of the 28-day cure time (14-18 days is projected).
 - ✓ Floor installation in 14 days from time of concrete placement.

- **CAM 110 & SA CAM 110 is a net cost saver not an additional cost factor:**
 - ✓ Elimination of ongoing maintenance cost.
 - ✓ Reduction/ Elimination of Freeze Thaw Impacts.
 - ✓ Extended project life.
 - ✓ Reduction of Carbon Footprint (Through reduced need for cover concrete and reduced construction times).
 - ✓ Has no negative Environmental impacts (Zero VOC's).

C5 Innovation Aps

Your partner for surface coating

➤ Projected Energy Impacts - CO₂ Reduction

According to the European Concrete Platform, the thermal mass of concrete in buildings:

- ✓ Optimizes the benefits of solar gain, so reducing the need for heating fuel.
- ✓ Reduces heating energy consumption by 2 - 15%.
- ✓ Smooths out fluctuations in internal temperature.
- ✓ Delays peak temperatures in offices and other commercial buildings until the occupants have left.
- ✓ Reduces peak temperatures and can make air-conditioning unnecessary.
- ✓ Can be used with night-time ventilation to eliminate the need for daytime cooling.
- ✓ When combined with air-conditioning, it can reduce the energy used for cooling by up to 50%.
- ✓ Can reduce the energy costs of buildings.
- ✓ Makes best use of low-temperature heat sources such as ground source heat pumps.
- ✓ The reductions in energy use for both heating and cooling cuts emissions of CO₂

Will help future proof buildings against climate change.

<http://www.buildup.eu/en/practices/publications/concrete-energy-efficient-buildings-benefits-thermal-mass> - Based on projected density increases in the concrete matrix when using CAM 110 we can improve on this by an additional 2-5%.

Industry Solutions

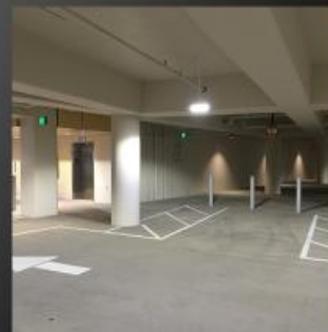
Subsurface Walls



Leaking and water movement due to missing waterproofing on back side of wall



Prep for application of SA CAM 110 and final finish coatings to be applied



Finished wall, painting started within 48 hours of wall treatment

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