





Latex Storage



505.20.2.3 Latex admixture shall be kept in a suitable enclosure that will protect the admixture from freezing and from exposure to temperatures in excess of 85 F. Drums of latex admixture to be stored at the work site in direct sunlight shall be completely covered with a suitable insulating blanket material to maintain an <u>enclosed temperature below 85 F</u>.



Concrete Mixture

GOAL

Air content is effectively entrapped air.

| Property | Requirement |
|---------------------------------|-----------------|
| Air Content, percent | 0 to 6.5 |
| Slump, inches | 9 maximum |
| Percent Fine Aggregate as | 50 to 55 |
| percent of Total Aggregate by | |
| Absolute Volume | |
| Cement Content, lbs./cubic yard | 658 |
| min. | |
| Latex Emulsion Admixture, | 24.5 |
| gallons/cubic yard. min. | |
| Net Water/Cement Ratio, max | 0.40 DEPENDS ON |
| lbs. a water/lbs. cement | AGG. MOISTURE |





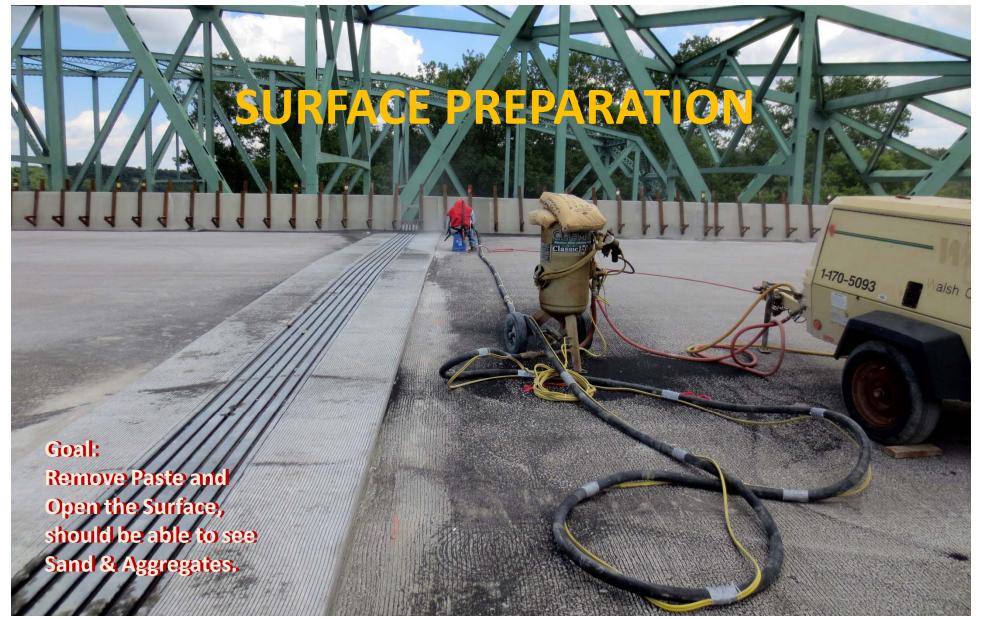
Keep stock piles separated to avoid contamination.

Maintain moisture of the aggregates during dry and wet weather.

Do not let aggregate dry out due to the sun.

Moisture of aggregate directly relates to how much mix water is added.





505.20.6.2 On both old and new decks, within 24 hours prior to placing latex modified concrete, the entire surface shall be thoroughly cleaned by sandblasting followed by an air blast.

Power wash the deck as well.



Hydro Water Blast



This is an option instead of sand blasting.

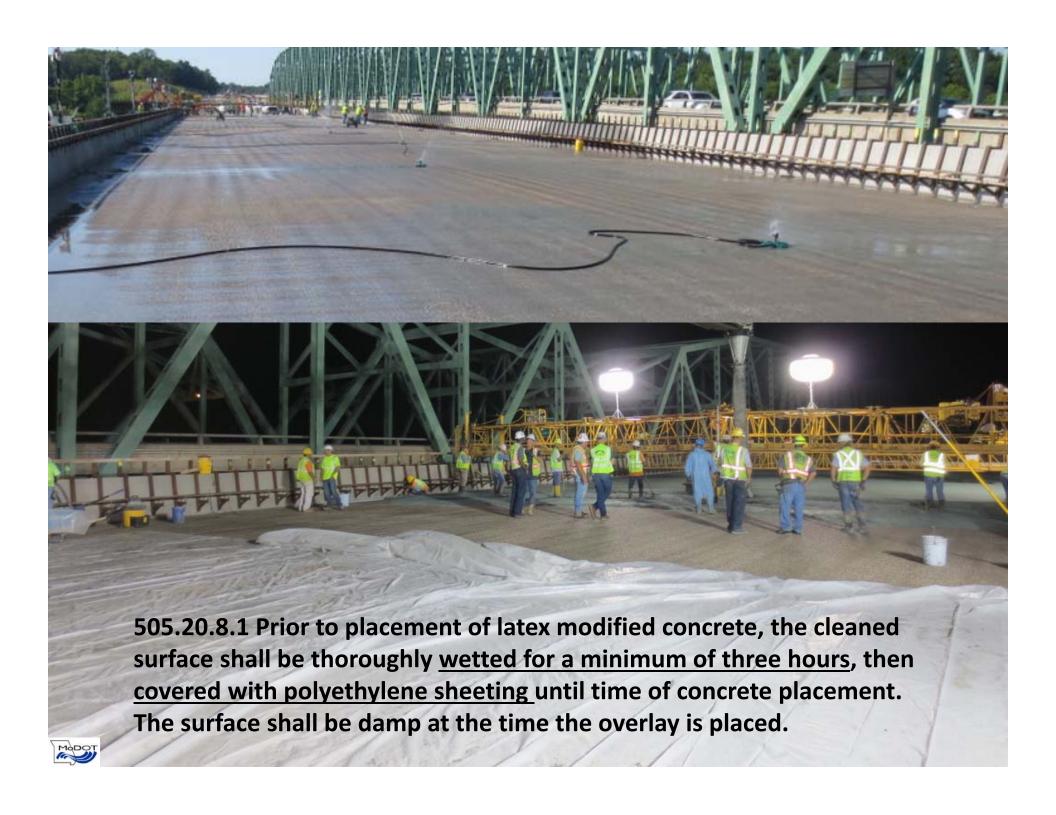
With this process, on hardened concrete, the edges will still need to be addressed since the machine cannot get all the way to the edges. Also address vertical edges.

On green concrete, a High Pressure Washer may be used on the edges to remove the paste after initial curing.



If approved, a retarder may be used to help in removing the past if it does not counteract latex.















505.20.8.1 No free water or puddles of standing water shall exist at the time of placement.



The use of a vacuum and leaf blower will help to remove any excess water that may be present at time of placement.









BLUISH GREEN

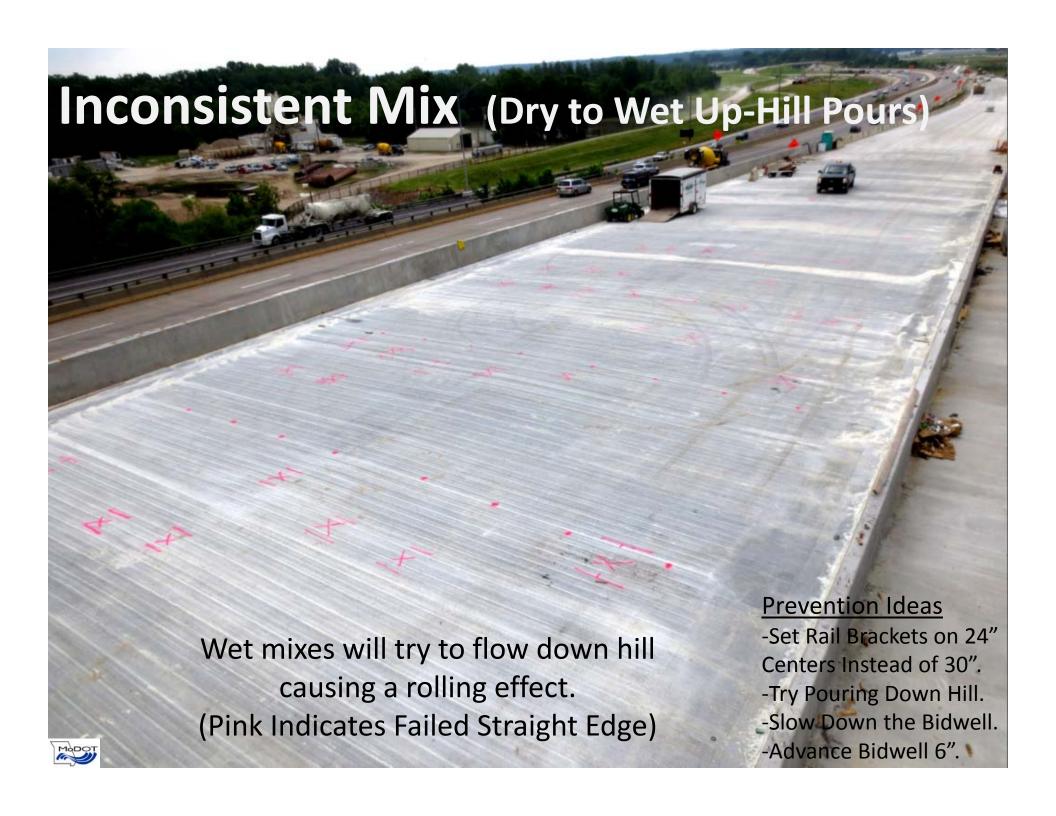
Mix Contains Latex

GRAY

Mix Does <u>NOT</u> Contain Latex

Remove

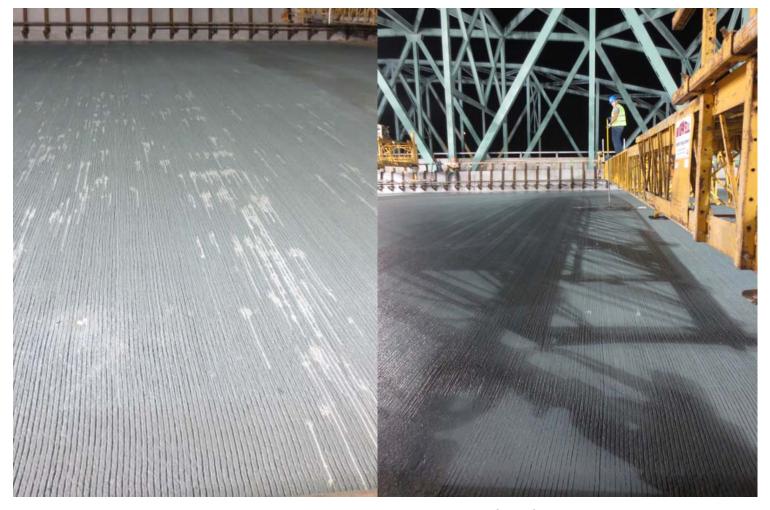








Texturing



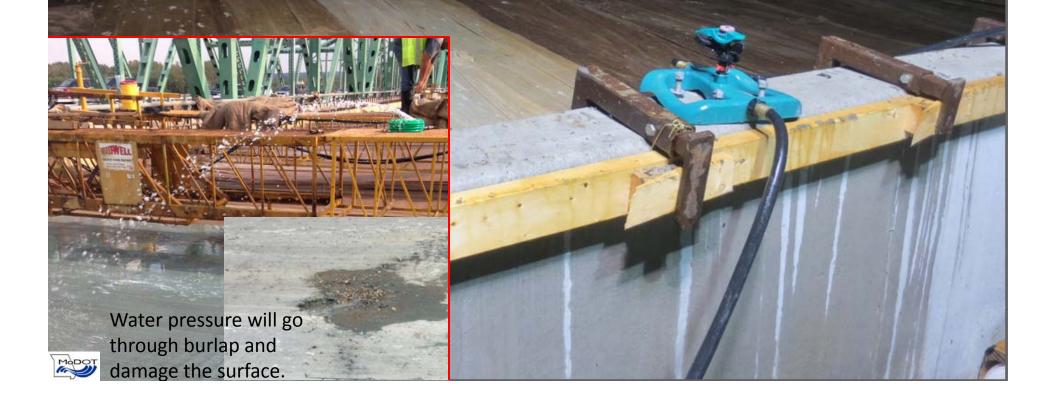
505.20.8.3 Texturing shall occur immediately after finishing and before the plastic film forms on the surface. Texturing shall be performed in a manner to prevent pulling the concrete away from an existing vertical face. Care shall be taken not to texture too deep <u>and not to tear the surface</u>.



WET CURE 48Hrs.

505.20.8.6 The wet cure shall be applied promptly after the concrete has been placed on the deck <u>without deforming the finished surface</u>.

Once the Burlap is covering the mix and it has had some time to harden, come back and place low pressure soaker hoses and plastic over the mix to help maintain the wet cure.





Placing Wet Burlap too Late



Placing Burlap too Early







