

# Hot Weather Surface Treatment

You can reduce concrete cracking, shrinkage and dusting with CCS surface treatments.

## Protecting Concrete

Controlling moisture evaporation when concrete is in a plastic state is crucial when lower humidity, warmer temperatures and wind are present. Speciality surface treatments such as CCS Aliphatic Alcohol and CCS Slab Clad R will control the moisture loss rate from newly laid concrete to improve its performance properties.

### CCS Aliphatic Alcohol



CCS Aliphatic Alcohol is an easy to use, water based finishing compound which effectively controls the evaporation of bleed water - thereby improving the quality of the final concrete surface.

CCS Aliphatic Alcohol is generally applied after screeding and bull floating operations and prior to final finishing processes.

The product is diluted with water to provide a very economical coverage rate of approximately 5-7m<sup>2</sup>/litre.

Please Note: CCS Aliphatic Alcohol is not a curing compound and has no effect on hardened concrete.

### Benefits

- Water based and environmentally friendly
- Economical and easy to apply
- Contains a fugitive dye to help with uniform application
- Improves the quality of concrete as a result of controlled moisture evaporation
- Reduces the likelihood of crusting or dusting on the concrete surface
- Can reduce the incidence of plastic shrinkage
- Eliminates the requirement for extra mixing water to compensate for hot weather pours



## Effective Concrete Curing

The use of a curing compound will assist concrete to increase strength, abrasion resistance and overall durability.

### CCS Slab Clad R Curing Compound



Correct and effective curing plays an important role in the strength development and durability of concrete. Curing compounds are used to seal the surface of fresh concrete and prevent rapid loss of moisture.

They are seen as an efficient, cost effective means of curing concrete and can eliminate the need for messy water curing methods and the use of plastic sheeting.

CCS Slab Clad R is a water based curing compound, which is applied to freshly laid concrete. It is a Class Z film forming compound offering high water retention capabilities compliant to AS 3799-1998 Appendix B. Slab Clad R also conforms to Department of Transport and Main Roads MRT S70.

CCS Slab Clad R is based on a C-5 resin with performance enhancing additives which, when applied to freshly laid concrete, leaves a dried transparent film on the surface. The product is designed to degrade over time, allowing for the unhindered application of other toppings and treatments. And unlike many resin based curing compounds, CCS Slab Clad R dries to form a tack-free film which resists dirt, dust and stains.

#### Benefits

- Water based and environmentally friendly
- Supplied ready for use
- Assists in the development of strength, abrasion resistance and durability of the concrete
- Provides rapid film formation
- Reduces the likelihood of cracking or dusting of the concrete surface
- Easy to use
- Eliminates messy water curing or polyethylene film

