

EFFLORESCENCE

When and why does efflorescence form on the surface of Lower Carbon High Performance (LCHP) and Lower Carbon Plus (LCP) concrete?

Under certain ambient conditions efflorescence may form on the surface of LCHP and LCP mixes within the first 24 hours.

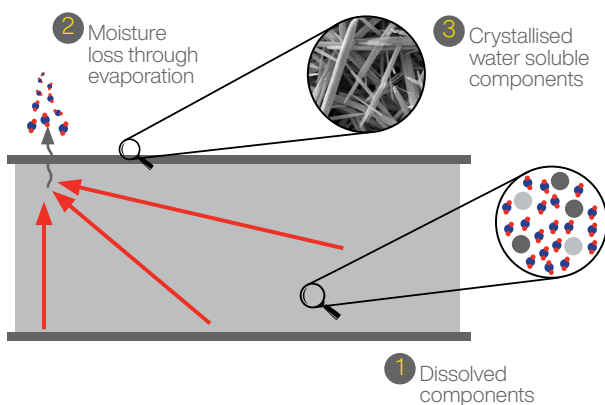
The amount of efflorescence will depend on the temperature and the humidity and in almost all cases efflorescence will not reappear after the initial bloom.

Efflorescence is non hazardous and will have no effect on the strength or performance of LCHP and LCP mix concrete.

Can efflorescence be avoided?

The extent of efflorescence will be significantly reduced or eliminated by preventing the surface from drying in the first 24 hours. This can be achieved by applying standard good curing practices.

The use of water based curing compounds compliant with the **Australian Standard AS 3799**, covering the surface with plastic or wet curing will reduce or eliminate the occurrence of efflorescence.



If efflorescence occurs, can it be removed?

If efflorescence forms on the surface of the concrete, it can be easily removed by sweeping or vacuuming the concrete.

This can be done as early as the day after placement, however leaving it on the surface won't damage the concrete or make it harder to remove later. Efflorescence is unlikely to reappear after the initial bloom.



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