



CEMENT AUSTRALIA  
**GREENCEM**<sup>®</sup>

## FAQs

### when using GreenCem<sup>®</sup> technologies

#### Can I increase the supplementary cementitious material (SCM) component of concrete?

✓ **YES.** GreenCem<sup>®</sup> technologies facilitate higher ratios of fly ash and/or slag in concrete mixes. Ternary mix designs of up to 80% SCM have been shown to perform similarly to normal mixes containing 50% replacement.

#### Are GreenCem<sup>®</sup> technologies compatible with all cementitious materials?

✓ **YES.** GreenCem<sup>®</sup> technologies are compatible with all cement and SCMs.

#### Is there higher early reactivity in high SCM mixes?

✓ **YES.** GreenCem<sup>®</sup> technologies compensate for the usual lower reactivity at early ages when using elevated SCM levels. Comparable early strengths to straight GP Cement mixes are achievable.

#### Can I achieve significantly lower drying shrinkage in concrete?

✓ **YES.** GreenCem<sup>®</sup> technologies promote expansion across all ages to reduce overall shrinkage.

#### Is support available for designing low embodied carbon and low shrinkage mix designs?

✓ **YES.** Cement Australia offers support to all customers using GreenCem<sup>®</sup> technologies whether it be laboratory based or in field applications.

#### Can GreenCem<sup>®</sup> technologies be used in concrete in cold climates?

✓ **YES.** GreenCem<sup>®</sup> technologies promote early reactivity which assists concrete early strength in cooler conditions.

#### Can I use GreenCem<sup>®</sup> technologies for Post Tensioned or Precast concrete?

✓ **YES.** GreenCem<sup>®</sup> technologies are advantageous in precast, prestressed and post-tensioned applications where early stripping allows work to progress faster. Ask us how Cement Australia's technical team can assist.

#### Can I use GreenCem<sup>®</sup> technologies for all concrete mix designs?

✓ **YES.** Concrete using GreenCem<sup>®</sup> technologies may be suitable for a range of strength grade or mix designs.

#### Are GreenCem<sup>®</sup> technologies compliant to Australian Standards?

✓ **YES.** Concrete producers can confidently use GreenCem<sup>®</sup> technologies in all concrete mixes in compliance with the relevant Australian Standard.