



The Chemical Company

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The Chemical Company

Glenium®

New Generation
Hyperplasticisers for
High Performance
Concrete

Superior Materials Technology



Specifically developed for premixed and precast concrete applications requiring the highest levels of durability and performance, BASF's state-of-the-art range of Glenium® hyperplasticisers are in a league of their own.

Available in a choice of formulations to suit a wide variety of applications, 'new generation' Glenium® admixtures utilise the latest in patented Polycarboxylic Ether hyperplasticiser technology to deliver a range of performance enhancing benefits to concrete in both the plastic and hardened state providing you with high performance concrete that delivers high performance results.

High Performance Concrete



As well as providing a self-compacting concrete mix (Super Workable Concrete), Glenium® hyperplasticisers deliver:

- increases in both early and ultimate compressive, flexural and tensile strengths
- increased adhesion to reinforcement and prestressed steel
- significant reductions in the risk of shrinkage and creep
- prevention of segregation and/or bleeding in flowable concrete
- excellent slump retention without retardation
- reduced curing cycles for both premixed concrete and precast concrete components



'Zero Energy System' Technology

With its revolutionary 'Zero Energy System' technology, BASF's unique Glenium® ACE admixture is helping to change the face of concrete precasting.

Building on the outstanding success of the Glenium® range of hyperplasticisers, Glenium® ACE has been specifically developed to optimise the amount of energy required for precasting concrete elements. This not only applies to the cost of fuel and/or electricity required for production, but also takes into account the amount of energy and effort invested in the manufacturing process from manpower needs and special equipment requirements, through to other associated processes such as steam curing.



Glenium® ACE is ideal for use in the manufacture of a full range of precast concrete elements regardless of size or complexity of design and delivers a range of benefits, including:

- increased productivity through reduced cycle times
- optimised mix formulation for optimal performance
- a reduction in the need for concrete vibration
- optimisation of the heat curing process
- significant increases in the strength and durability of the hardened concrete

