

# DARAMENE<sup>®</sup> R1

Admixture for extending concretes life

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## Product Description

DARAMENE<sup>®</sup> R1 is a mild set retarding admixture. DARAMENE R1 is a liquid admixture which temporarily delays the hydration of cement allowing the transportation and placing of concrete to be extended. DARAMENE R1 can be used in all types of concrete. DARAMENE R1 contains no added chloride. It is formulated to comply with specifications for chemical admixtures for concrete: AS 1478 as a Type Re

One litre weighs 1.190kg ± 0.02kg

## Product Advantages

- Mild retardation allowing for accurate dosing for required placing times
- Can be used in low GP mixes without overly retarding concrete
- Good ultimate strengths
- Good workability for concrete
- Cold joints can be eliminated
- Conventional and sprayed concrete can be continued at higher temperatures
- DARAMENE R1 does not entrain air

## Dispensing Equipment

Please contact your local GCP representative for further information regarding the dispensing equipment for DARAMENE R1.

## Packaging

DARAMENE R1 is available in drums and bulk.

DARAMENE R1 contains no flammable ingredients. It will begin to freeze at approximately 0°C, but will return to full strength after thawing and thorough agitation.

In storage, and for proper dispensing, DARAMENE R1 should be maintained at temperatures above 0°C.

## Addition Rates

Addition rates of DARAMENE R1 can vary with type of applications, but will normally range from 100 to 500mL / 100kg of cementitious material. In most instances, the addition of 200 to 400mL / 100kg of cementitious material will be sufficient. Should conditions require using more than recommended addition rates, please consult your local GCP representative.

## Compatibility

DARAMENE R1 is compatible with most water-reducing admixtures as well as specialty admixtures like DCI<sup>®</sup> Corrosion Inhibitor, Eclipse<sup>®</sup> Shrinkage-Reducing Admixture and V-MAR<sup>®</sup> Rheology-Modifying Admixture.

All admixtures should be separately added to the concrete. Pretesting of the concrete should be performed to optimise dosages and addition sequence of these admixtures.

## Health and Safety

Read and understand the product label and Safety Data Sheet (SDS) if handling DARAMENE R1 directly. All users should acquaint themselves with this information prior to working with the product and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office.

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