Mapetard D MC is a liquid retardant for concrete and mortar with low loss in workability.

WHERE TO USE
Mapetard D MC is particularly suitable for use in applications where a very high conservation of workability and/or moderate hydration speed of the cement after short curing times is required, such as shotcrete.

This product is mainly used in the following applications:
- ready-mixed concrete in hot climates;
- pumped concrete;
- concrete used for bulk castings;
- retarded cementitious mortar.

Mapetard D MC is a watery solution with the property of retarding or inhibiting the complete hydration of cement and, therefore, limits the loss in workability of concrete in hot climates or when transported over long distances. The increase in workability (as with a delay in setting) increases with the amount added, which varies from 0.2-0.5% on the weight of the cement.

Some application examples
Mapetard D MC retardant admix particularly suitable for:
- high-quality, ready-mixed concrete;
- concrete used for bulk castings where thermal gradients due to the generation of hydration heat must be reduced: dams, foundations, floor slabs, etc.;
- sprayed concrete when combined with alkali-free setting accelerators;
- ready-mixed mortar which may be used up to 24-48 hours after mixing.

HOW TO USE
It is better to add Mapetard D MC in the mixing station together with the mixing water and before adding the other ingredients (cement, aggregates, etc.).

Compatibility with other products
Mapetard D MC admix is compatible with other products used to manufacture special concrete, and especially with:
- all the super-plasticising admixes from the Dynamon and Mapefluid ranges;
- Mapeplast PT1 aerating agent to produce concrete resistant to freeze/thaw cycles;
- fly-ash to produce concrete with artificial pozzolan;
- DMA 1000, DMA 2000 and DMA 3000 stripping agents used to strip form-work from concrete;
- Mapecure E and Mapecure S curing agents to protect concrete structures without form-work against quick evaporation of the mixing water (floors).

CONSUMPTION
Dosage in volume:
from 0.2 to 0.5 litres per 100 kg of cement.

PACKAGING
Mapetard D MC is supplied in bulk quantities, 200 litre drums and 1,000 litre tanks.

STORAGE
6 months in sealed containers, protected from freezing weather.
SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Mapetard D MC is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend taking the usual precautions for handling chemical products. For further and complete information about a safety use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING
Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com