TECHNICAL DATA SHEET

Chryso Concrete Solutions

09/10/2026

ECLIPSE® Floor AN

Shrinkage Reducing Admixture

DESCRIPTION

ECLIPSE® Floor AN is a liquid admixture for concrete that significantly reduces drying shrinkage and the potential for drying shrinkage-induced cracking and curling. Rather than functioning as an expansive agent, ECLIPSE® Floor AN acts by reducing the surface tension of pore water. ECLIPSE® Floor AN is specifically formulated for use in non air-entrained concrete applications. Drying shrinkage of concrete is a complicated phenomenon, widely acknowledged to be the function of several mechanisms.

The driving factor causing shrinkage for internal relative humidity in excess of 40% is the surface tension of water. As water-filled pores in the size range of 2.5 to 50 nm (nm or nanometre, is one billionth of a metre) lose moisture, curved menisci are formed and the surface tension of water pulls the walls of the pores. ECLIPSE® Floor AN reduces the surface tension of water, thereby reducing the force pulling in on the walls of the pores – and the resultant shrinkage strain is reduced. ECLIPSE® Floor AN complies with AS 1478.1-2000, Type SN.

BENEFITS

- Enables to increase joint spacings
- Contains no expansive material but, highly reduces primary internal forces that cause shrinkage and curling
- Low maintenance costs over service life of the structure

APPLICATION

- Slab-on-grade construction
- Structures that require control drying shrinkage cracks
- Increase in joint spacings for flatter and durable floors

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Clear
Lifetime	12 months
Specific gravity (kg)	0,920

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).

METHOD OF USE

Dosage :

Typical dose rate of ECLIPSE® Floor AN will be in the range of 2.0 to 8.0 L / m^3. Since ECLIPSE® Floor AN works primarily to reduce the surface tension of pore water, it primarily works as a function of the concentration as a percent by weight of the mix water. Therefore, if the total water content of a concrete mix is reduced, less ECLIPSE® Floor AN is required to obtain optimum results.
ECLIPSE® Floor AN is a clear liquid admixture. It contains no water, but is added at high dosages and should be accounted for in the mix design. For a conventional concrete mix with 6.0 L / m^3 of ECLIPSE® Floor AN, an equivalent volume of water should be reduced from the mix design. ECLIPSE® Floor AN may be added to the concrete batch sequencing at any time.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

COMPATIBILITY

- Compatible with all Chryso admixtures
- Mid-range water reducers such as Chryso®Mira
- High-range water reducers such as Chryso®Adva

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However,it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.
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