

# CHRYSO® EnviroMix® i44

Full Range Water Reducing Admixtures  
High SCM Replacement

## DESCRIPTION

High-Performance Admixture based on CHRYSO® EnviroMix® technology, specially designed for high SCM concrete mix designs. CHRYSO® EnviroMix® i44 provides high early strengths to increase SCM content in concrete and achieve substantial savings. It provides optimized workability and placeability to achieve targeted concrete quality and performance on-site while reducing jobsite time and costs.

**Meets or exceeds the requirements of ASTM C-494 Type A and F**

## ADVANTAGES

- Allows better utilization of mixes incorporating high volumes of pozzolans such as fly ash
- Proprietary finishing aid improves workability and finishability
- High Early Strength
- Reduces cracking and shrinkage
- Improves Cementitious Material Performance (More PSI/lb)
- High SCM usage contributes to the protection of our environment (Reduction of CO<sub>2</sub> emissions encouraged by LEED directives)

## FIELDS OF APPLICATION

- All Cement Types
- Ready Mix Concrete
- Manufactured Sand
- High SCM Replacement
- Concrete Paving

## METHOD OF USE

### Dosage

- The recommended dosage rate for CHRYSO® EnviroMix® i44 is 3 to 9 oz/cwt (195 to 585 ml/100 kg) of cementitious material for a Type A and 10 to 18 oz/cwt (652 to 1170 ml/100 kg) of cementitious material for a Type F.
- CHRYSO® EnviroMix® i44 can be added with the initial water or, for optimum performance, on the wetted concrete. It should not be added with or on the dry cement.
- Dosage rates may vary when used in conjunction with other CHRYSO admixtures. Trial mixes should be conducted to determine the dosage rate needed.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using the product outside the recommended dosage ranges.

The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. [www.chryso.com](http://www.chryso.com)

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## CHARACTERISTICS

Product Nature	Liquid
Color	Green
Shelf life	12 months
Cl- Ions content	< 0.100
Specific gravity (25°C) in g/ml	1.040
pH (25°C)	4.00

This product does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

### Packaging :

- 55 gallon drum (210 L)
- 264 gallon tote (1000 L)
- Bulk

## PRECAUTIONS

- CHRYSO® EnviroMix® i44 should be stored at or above 34°F (1°C). If frozen, thaw and agitate thoroughly to return to its normal state before use.
- Do not use pressurized air for agitation.
- CHRYSO® EnviroMix® i44 is compatible with most CHRYSO admixtures if added separately to the concrete mix.
- However, it is not recommended for use in concrete containing naphthalene-based admixtures including ProPel AG, or melamine-based admixtures.

## SAFETY

Prior to any use, please read carefully the Safety data Sheet.

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