

Uniclass L331	EPIC C331
CI/SfB	Yq4

March 2005

# Sprayed Concrete

## Wet Process Application

### Product Datasheet

### EuroMix Dry Mortar System

## 1. Identification

### 1.1 Introduction

CPI EuroMix Sprayed Concrete contains dried sand, fine aggregate, cement, polypropylene fibres and additives in a mix specially designed to give excellent workability and cohesiveness when wet, and to harden to a durable finish.

It is delivered to the building site in bulk silos or pre-packaged bags or sacks and is mixed on site with the addition of water. EuroMix Sprayed Concrete is suitable for wet process projection in a variety of applications:

- Insulated Concrete Form Work.
- Structural Concrete.
- Supporting rock and excavations.
- Short-term support.
- Surface improvements.
- Repair.

### 1.2 Authority

The individual components of this product comply with the requirements of BS/IS EN 206-1: 2002, and is manufactured under a BSI/NSAI registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 13139: 2002
Cement	BS EN 197-1: 2000 (UK) IS EN 197-1: 2000 (Ireland)
Admixtures	BS EN 934-3: 2003 (UK)

### 1.3 General Advantages

- Formulated for optimum workability, low rebound and crack resistance.
- Consistent mix proportions.

## 2. Description

### 2.1 Manufacture

Raw materials and end products are subject to regular quality control procedures and testing.

Dried sand and other materials are weighed and mixed under computer control with rigorous quality assurance procedures.

### 2.2 Colours

EuroMix Sprayed Concrete is supplied in natural grey. Other colours are available to special order.

### 2.3 Compressive Strength

EuroMix Sprayed Concrete can be supplied in strength classes to suit the requirements of the specifier complying with BS/IS EN 206-1 as set out in the table below:

Characteristic Strength N/mm <sup>2</sup>				
Strength Class	C24/30	C28/35	C32/40	C40/50
Cylinder	24	28	32	40
Cube	30	35	40	50

## 3. Sitework

The enhanced flexibility of the dry mortar system offers several options on site:

- Direct discharge into a suitable pump for spray application.
- Transfer of dry material to a suitable continuous spray mixing pump.

When a silo is used, it should be placed on a firm level base measuring at least 3m x 3m. It is delivered complete with all necessary mixing equipment, which can be used by any site operative once a EuroMix Service Technician has given them basic training.

After connecting power and water supplies, the system is ready for use. Once the water flow rate is adjusted to give concrete of the required workability, it is simply a question of push-button operation to produce consistently high quality concrete whenever it is needed.

For recommended application procedures, see our Application Guide, which is based on the EFNARC European Specification for Sprayed Concrete ISBN 0952248379.



# EuroMix

#### 4. Prices and Conditions of Sale

Our Sales Office will be pleased to provide quotations for specific projects. All quotations are subject to our Conditions of Sale - a copy of which is available on request.

#### 5. Supply

EuroMix Sprayed Concrete is available throughout the market area of each plant.

Silos are delivered with up to 16 tonnes of dry mortar and may be refilled by bulk tanker.

EuroMix Sprayed Concrete may also be delivered in minisilos, pre-packed 25kg bags or 1 tonne sacks.

#### 6. Health & Safety

For health and safety information - see Material Safety Datasheet.

#### 7. Technical Services

Fully trained Service Technicians are available at all times to provide on-site support to users of the EuroMix Dry Mortar System. Our Technical Advisory Service is available to give expert advice on the specification or use of EuroMix Sprayed Concrete.



Helpline: **0845 850 9090** (UK) **01 630 2732** (Ireland)

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