



Technical datasheet

Fly 319

Multi-Purpose Cementous grout

Product Description

Fly 319 requires only the addition of water on site. Rough powders dissolve easily in water before application. Free-flowing, non-shrinkage product

High-quality cement-based product modified with special polymers and micro-fibers, ready mixed one component for leveling internal and external surfaces before coating application.

Standers

Fly 319 applies to the following standards:

ASTM C 1107 (Grade C)

Product characteristics

- ✓ Exact mixing ratio and homogeneity of the mixture
- ✓ Excellent workability
- ✓ Excellent water and weather resistance
- ✓ High bonding strength with smooth surfaces
- ✓ Shrinkage compensated
- ✓ Resurfacing defective or damaged areas

- ✓ Multi-purpose Cementous joint filler
- ✓ Trowel-apply as a medium flow
- ✓ Pour or pump as high-flow
- ✓ Bedding joints in pre-cast concrete sections
- ✓ Filling cavities, voids, gaps, and recesses

Application

- Just add the powder to water gradually, then mix with a hand drill to avoid entraining too much air (recommended) till it reaches a homogenous mixture.
- For normal application, add 4.25 – 4.5 liters of water per 25 Kg bag, depending on the desired consistency
- Concrete must be sound and roughened
- Steel should be cleaned and prepared thoroughly by blast cleaning to a white metal finish
- For best results, use as little water as you can and keep mixing for 5 minutes to ensure proper mixing
- Applied with the hand application technique
- The applicator should use the mixture for around 20 minutes
- To enhance adhesion to the surfaces, just use **Fly SBR bond** produced by Fly
- To enhance adhesion to surfaces, flexibility, and water resistance, just add one liter of **Flex bond** produced by Fly



Construction Chemicals

Surface Preparation

The surface must be cleaned, free of contamination, and free from oil, grease, and loosely adhering particles.

Saturating the surface with water before application is preferred, then allow the surface to dry.

Technical data

Base	Portland cement, special additives, selected polymers, micro-fibers
Coverage	Approx. 1.3 KG/m ²
Mixing ratio	20% water to powder weight
Available color	Gray
Pot life	20 Mints
Bond strength	> 2 N/mm ² @ 28 days
Flexural strength	> 8.0 N/mm ² @ 28 days
Compressive strength	> 24 N/mm ² @ 28 days
Shrinkage (mm/m) @28 days standard conditions	0.056 mm/m

Packaging

Fly 319 is available in 25 Kg bags

Storage

Shelf life is 12 months from the production date in a dry and covered storage