Socli
HEIDELBERGCEMENT Group

i.flow
COULYS L & M

Injection grout for old masonry

i.flow COULYS is a ready-mixed injection grout containing natural hydraulic lime NHL 5 (without cement). i.flow COULYS is particularly suitable for the restoration of old stone walls and historic buildings.
It exists in 2 versions: Binder (L with possibility of sand adjunction on site) and mortar (M).

Injection grout

Properties

- The two versions of i.flow COULYS allow a progressive hardening of the grout inside the walls
- Setting starts 15 hours after application for i.flow COULYS M and after 22 hours for i.flow COULYS L
- Strengths are lower to preserve the stones.
  At 28 days: i.flow COULYS L: 3.3 Mpa
  i.flow COULYS M: 5.2 Mpa
- The two versions allow work on different problems, such as those in old stone or brick buildings and they let the wall breathe
- Good viscosity
- No sweating or segregation
- Guarantee of an industrial blend for better regularity
- Salt resistant

Uses

Injection grouts (filling cracks, open joints and cavities in walls)

Components

i.flow COULYS L: Natural hydraulic lime and admixtures
i.flow COULYS M: Natural hydraulic lime, sand and admixtures

Main characteristics

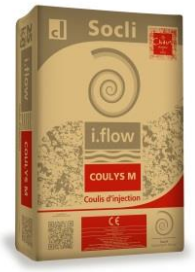
	Unit	i.flow COULYS L(binder)*	i.flow COULYS M(ortar)*
Bulk density (powder)	kg/L	0.75	1
Real density (paste)	Kg/L	1.5	1.85
Begining of set	mn	1200	900
Strength at 28 days	MPa	3	5,2
Flextural Strength	MPA		0,82
Consumption	%	4 to 9 % of the volume of the wall	4 to 9 % of the volume of the wall
Granulometry	mm	-	0/1.2
Bulk density (powder)	L /bag	21 to 23	10

**Statistical datas, non contractual*

Packaging

25-kg paper bags. Pallets of 42 kg bags (1050 kg)

i.flow COULYS L: 33-L bags



Volume of i.flow COULYS M blended with water

- i.flow COULYS L: 1 bag of 25 kg = 30 L of grout
- i.flow COULYS M: 1 bag of 25 kg = 17 L of grout

Advice

- Always work between 5°C and 30°C and outside of frost periods
- Protect from the sun and the wind to avoid any setting problems
- Store bags in dry conditions for a maximum of one year after the production date, as specified on the bags

Contraindications

- Do not carry out any other grouting work using i.flow COULYS
- Do not apply on substrates containing gypsum
- Do not apply during periods of frost

Additional information

It is possible to add sand to i.flow COULYS L. Choose a granulometry around 0/0.35 to 0/0.4 mm, depending on the grouting required.

Mixture: 1 vol. of maximum sand for 1 vol. of i.flow COULYS L and ½ vol. of water