FESTER CM 202

High-strength, fluid consistency mortar for concrete repairs

Formulated with hydraulic cement, special additives and controlled grain aggregates.

USES

For high-strength repairs in structural or non-structural concrete on horizontal, vertical or inclined surfaces.

ADVANTAGES

- Easy to prepare, apply and doesn't drip or run
- No primer required
- Fast setting (withstands vehicle and pedestrian traffic after only one hour of application)
- Early age high resistance
- For exterior and interior use
- Resists constant immersion in water
- High adherence
- Volumetrically stable
- Impermeable

APPLICATION INSTRUCTIONS

Preparation of surface.

Concrete surfaces:

The surface must be free of extraneous debris, previous coatings, dust, residues of cured membrane and any other contaminant such as oil, grease demolding agents, wax, or any other kind of encrustation.

Score bonding surface to ensure proper adherence.

Remove damaged or loose concrete as required.

Rusting in rebar:

For problems caused by rusting of reinforcing rebar, remove loose oxidized material and apply Fester CM–100 anticorrosive mortar. For additional information, consult the technical sheet.

Cracks:

To repair joints or cracks, hollow out a box or an inverted V-shaped groove along the length of the joint or crack and fill it with the repair mortar

Joints:

Control joints must be cut after repairs are made, placement of compressible backing and application of Fester Superseal P. elastic sealant (See technical sheet)

Mixing.

Add a 25 kg bag of Fester CM-201 to 4 L of clean water and mix for 4 minutes.

Application.

For repairs in upright or inclined positions, formwork is required. Use Fester Cimbrafest DC—350 demolding product. Once mixed, the repair compound can be used for approximately 15 – 20 min at 25oC.

Wet the bonding surface and pour the mortar into the form, ensuring it settles completely.

YIELD

One 25kg bag mixed with 4L of water yields 14L of repair compound.

IMPORTANT INFORMATION

Do not use more water than that indicated in instructions.

Do not apply when the temperature falls below 5°C.

Make sure water temperature is between 20 and 27°C

SAFETY PRECAUTIONS

- Use the recommended safety equipment, consult the safety sheet.
- Avoid contact with skin and eyes
- Do not leave within reach of children
- Do not expose the compound to sunlight during mixing and application.
- Close bags tightly to conserve any unused portion

PACKAGING AND CONTAINER

PRESENTATION	25 kg sack
STORAGE	Keep in a cool, dry place, out of direct sunlight.
SHELF LIFE	9 months
STACKING	Maximum of four 25kg: sacks may be stacked

PROPIEDADES ECOLÓGICAS

Fester CM-201 contributes to improving the quality of the environment, the well-being of workers and the building occupants by reducing contaminants that can cause harmful irritation or odors. This product is EPA rated Zero-VOC.

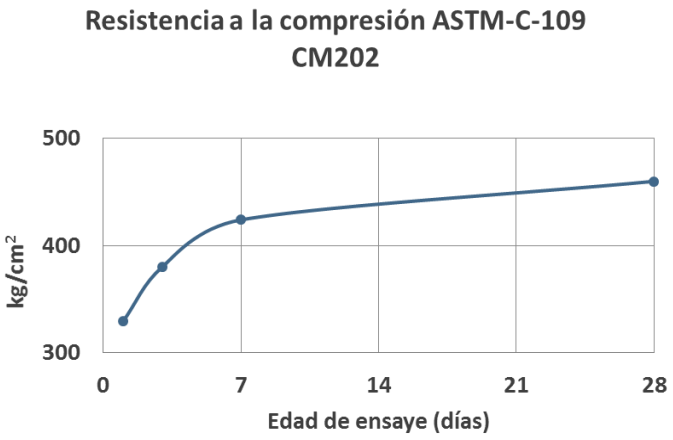
Place of production: Carretera Panamericana Km. 312 Tramo Libre Celaya-Salamanca, Guanajuato CP. 36700

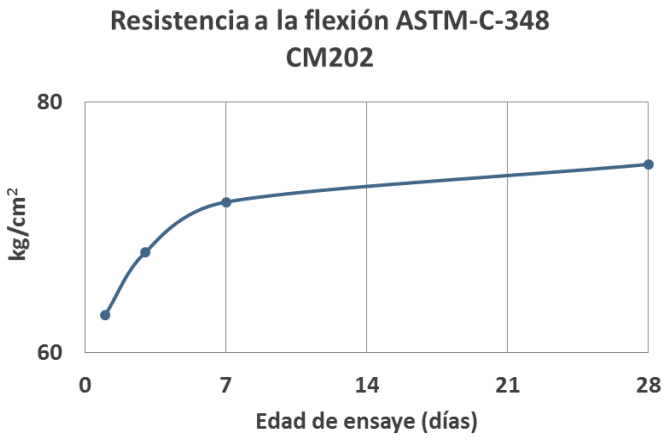
PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	STANDARD	SPECIFICATION	TYPICAL VALUE
Color	E-284	Light gray	Meets
Aspect	E-284	Powder	Meets
Specific weight (dry powder)	C-128	1.43 a 1.53 kg/dm^3	1.477
Mixing proportions	—————	4l of water / 25kg powder (16% water by weight peso/ powder)	Meets
Recommended thickness of each layer (cm)	—————	Minimum 2.5, maximum 40	Meets
Consistency of the mixture	—————	Fluid	Meets
Density of the mixture	C-185	2.05 to 2.15 kg/dm^3	2.111
Time exposed mixture must be used (at 25°C)	—————	16 to 24 minutes	20 minutes
Initial setting time at 25°C [min.]	C-191	20 to 30 minutes	25
Final setting time at 25°C) [min.]	C-191	37 to 50 minutes	43
Hardening time needed before use [min.]	—————	Maximum 70	60
Linear contraction [mm/m]	C-490	Maximum 1	0.316
Adherence [MPa]	EN-1015-12	Minimum 2.2	2.41
Modulus of elasticity [MPa]	C-469	Minimum 1.7x10^4	1.9x10^4

PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	STANDARD	SPECIFICATION	TYPICAL VALUE
Compressive strength [kg/cm^2]			
1 day	ASTM-C-109	Minimum 300	329
3 days		Minimum 350	380
7 days		Minimum 415	424
28 days		Minimum 445	460
Flexural strength [kg/cm^2]			
1 day	ASTM-C-348	Minimum 55	63
3 days		Minimum 60	68
7 days		Minimum 65	72
28 days		Minimum 70	75
Permeability to chloride ion,	ASTM-C-1202	Very low (100—1000 Coulombs)	115 Coulombs





Compressive strength ASTM-C-109 CM201 Sample age (days)

Flexural strength ASTM-C-348 CM201 Sample age (days)

Note: The data provided were obtained under laboratory conditions of 24 °C +/- 1 and 50% relative humidity. The data indicated for setting and time required before use may vary depending on ambient conditions and thickness of layer applied.

Important: For structural repairs where load bearing capacity is to be restored, Fester Epoxine 200 or Fester Epoxine 220 must be used (Consult data sheet as warranted)

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