



FESTER CM 201

High-strength, thick consistency mortar for concrete repairs

Formulated with hydraulic cement, special additives and fine 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.

For thick, paste-like consistency (thixotropic): Add a 25 kg bag of Fester CM-201 to 4 L of clean water and mix for 4 minutes.

Application time.

Once mixed, the repair compound can be used for approximately 15 – 20 min at 25°C.

Wet the bonding surface and apply the product using a trowel, ensuring the compound is compressed into the cavity under repair. While curing, the compound can be finished to match adjoining surfaces.

YIELD

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

IMPORTANT INFORMATION

- Do not use more water than that indicated.
- 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

ECOLOGICAL PROPERTIES

Fester CM-201 contributes to improving the quality of the environment, the well-being of workers and 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 PROPERTIES

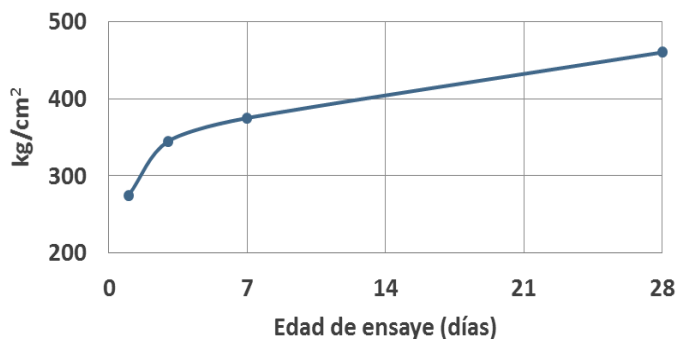
PROPERTY	STANDARD	SPECIFICATION	TYPICAL VALUE
Color	E-284	Light gray	Meets
Aspect	E-284	Powder	Meets
Specific weight (dry powder)	C-128	1.37 a 1.47 kg/dm ³	1.422
Mixing Proportions	-----	4l of water / 25kg powder (16% water by weight peso/ powder)	Meets
Recommended thickness of each layer (cm)	-----	Minimum 0.5, maximum 10	Meets
Consistency of the mixture	-----	Thixotropic paste, won't drip or run	Meets
Density of the mixture [kg/dm ³]	C-185	2 to 2.1 kg/dm ³	2.066
Time exposed mixture must be used (at 25°C), [min.]	-----	16 to 24 minutes	20
Initial setting time at 25°C [min.]	C-191	28 a 40 minutes	34
Final setting time at 25°C [min.]	C-191	32 a 47 minutes	40
Hardening time needed before use [min.]	-----	Maximum 70	60
Linear contraction [mm/m]	C-490	Maximum 1	0.270
Adherence [MPa]	EN-1015-12	Minimum 2.5	3.09
Modulus of elasticity [MPa]	C-469	Minimum 1.7x10 ⁴	1.9x10 ⁴



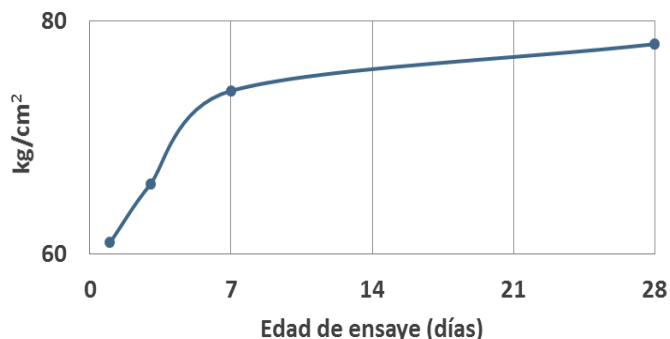
MECHANICAL PROPERTIES

PROPERTY	STANDARD	SPECIFICATION	TYPICAL VALUE
Compressive strength [kg/cm ²]	ASTM-C-109	Minimum 250	275
		Minimum 300	345
		Minimum 350	375
		Minimum 450	460
Flexural strength [kg/cm ²]	ASTM-C-348	Minimum 50	61
		Minimum 60	66
		Minimum 65	74
		Minimum 70	78
Permeability to chloride ion, [Coulombs]	ASTM-C-1202	Very low (100—1000)	115

Resistencia a la compresión ASTM-C-109
CM201



Resistencia a la flexión ASTM-C-348
CM201



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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The above information, specifically the recommendations for the handling and use of our products, is provided based on our professional knowledge and experience. Since materials and conditions may vary with each application, we recommended testing the products to verify performance in and suitability for your intended use. Unless there is evidence of willful malice or gross negligence on our part, no legal liability shall be derived from the contents of this technical data sheet or any verbal advice we might provide. This technical information sheet substitutes all previous editions relevant to this product and is supplemented by the information contained in the relevant safety sheet, which in all event should be consulted by the user prior to application of this product.