

malte del piave

CALCESTRUZZO R35

Traditional structural concrete



Product Description

Ready-mixed ready-to-use concrete, based on selected aggregate in a suitably recomposed curve from 0 to 15 mm, hydraulic binder and specific additives.

Supply and storage

CALCESTRUZZO R 35 is supplied in polythene bags on stretchable pallets. Store in a cool, dry, non-ventilated area. Keep packaging intact. Use by the expiration date on the bag.

Substrate preparation and application methods

CALCESTRUZZO R 35 can be mixed in a concrete mixer (for about 3-4 minutes) or by means of an auger mixer to a consistency of S4. The material prepared in this way must be cast within 20 minutes, respecting the methods (type of formwork and reinforcement, timing of stripping) normally used with concrete from concrete mixing plant. Casting must be carried out within 20 minutes.

Fields of use

CALCESTRUZZO R 35 is a product suitable for the formation of manufactures, internal and external, even with load-bearing characteristics, as the specific

formulation allows to obtain mechanical resistance to compression at 28 days, higher than 38.5 N/mm².

Specifications

The internal and external manufactures will be realized with the traditional pre-mixed concrete of the type CALCESTRUZZO R 35 of Fornaci Calce Grigolin, based on selected inert, hydraulic binders and specific additives to improve the workability, to be mixed with only water until reaching the consistency type S4. The concrete so prepared will have a mechanical resistance to compression at 28 days higher than 38,5 N/mm².

Technical Data

Maximum diameter	15 mm
Working Time	20 min
Setting time	Start approx. 5 hours End approx. 7 hours
Mixing water 30 kg bag	approx. 3-3.5 liters/bag up to consistency S4
Consumption 30 kg bag	approx. 70 bags per m3 of mix
Mixing water 25 kg bag	approx. 2.5-3 liters/bag up to consistency S4
Consumption 25 kg bag	approx. 85 bags per m3 of mix
Mechanical resistance to compression	7 days > 28 N /mm ³ 28 days > 38.5 N /mm ²
Compressive strength class	C 28/35
Exposure class	XC1 / XC2
Cubic characteristic resistance	Rck 35
Reaction to fire	incombustible

Mixing the contents of the bag with a quantity of water to obtain a consistency of S4 will produce a product with characteristics in compliance with UNI EN 206-1.

Warnings

Do not mix Concrete R 35 with other substances. Avoid extreme temperature changes during the setting phase; the product must be protected from frost and rapid drying. Do not use Concrete R 35 at temperatures below +5°C or above +30°C. Do not apply on frozen substrates.

