

TECHNICAL SHEET	NON-STRUCTURAL CONCRETE	RD 470/2021 EN-206	Standard designation HNE20/B/12/X0 C16/20-X0- Dmax12-S2
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Revision: 03-14/02/2024

Non-Structural Concrete 20

The HNE20 dry concrete manufactured by AYMAR S.A. is a dry concrete ready for use only with the addition of water in the proportion indicated. Made with marble aggregates and cement, with controlled granulometry and optimum plasticity. Suitable for non-structural use.

Composition

Composed of crushed metamorphic limestone aggregates for use in construction, as aggregates for concrete and mortars (EN 12620 and EN 13139), cement CEM I - 42, 5R (EN 197-1 and UNE 80601) and organic additives to improve compressive strength.

Field of application

HNE20 Dry Concrete is a quality concrete suitable for forming volumes of material such as pavement concretes, kerb concretes and filler concretes.

Instructions for use

- **Substrate preparation:** clean and dampen the substrates before application and wait for the water film to disappear.
Prepare it with suitable meshes to reinforce the concrete.
- **Preparation of the mixture:** always use clean, running water.
Add 2.5-3 l. of mixing water per bag and mix mechanically until a homogeneous mass is obtained and apply.
- **Application of the paste:** the minimum thickness of the application will be 4 cm, always allowing a complete compaction of the mass.
Once the dough has been kneaded, it shall be applied before the beginning of setting.

Recommendations for use

- Excess water causes a decrease in resistance.
- Apply on substrates with a certain degree of absorption, humidity and perfectly set.
- Do not apply at temperatures below 5°C or above 35°C.
- Avoid frost, strong winds and exposure to intense sunlight during application.
- The addition of other material (additives, cement, etc.) may change the behaviour and characteristics of the product.

Technical data

Scope	Characteristic	Value	Test standard
Product	Normative designation	HNE20/B/12/X0 C16/20-X0-Dmax12-S2	RD 470/2021 EN 206
	Appearance	Gray	
	Maximum aggregate size	12 mm	EN 933-2
	Maximum water/cement ratio	<0,6	
	Minimum cement content	200 Kg/mm ²	
Application	Mixing water	10%	
	Consistency of fresh concrete-Settlement	60-90 mm	EN 12350-2
	Performance	20 Kg/m ² and cm thickness	
Technical characteristics	Compressive strength	≥20 N/mm ²	EN 12390-3
Presentation	Plastic sacks of approx. 25 kg. Store, a maximum of 12 months from the date of manufacture, in the original closed container, in a covered, dry and ventilated place.		

For safety precautions for the use, storage and disposal of the product, please refer to the Safety Data Sheet available on the web site www.aymarsa.es

NOTE: The information contained in this technical sheet is based on our experience and on tests carried out in specialised laboratories. The characteristics of the resulting product will depend on the correct preparation and application on site by the user. If these conditions are not met, the characteristics indicated above will not be achieved.



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