

DESCRIPTION

Nexclay 3-8F is a lightweight aggregate made from expanded clay in a rotary kiln at 1200°C. It is a natural product, lightweight, resistant, non-combustible, non-flammable and that remains unchanged over time.

SCOPE OF APPLICATION

Lightweight concrete filling, with good thermal and acoustic behavior, for insulation and regularization of floors in buildings, shape layers on roofs, bridges and viaducts. The mechanical and physical properties of the aggregate make it suitable for use in prefabricated elements with special thermal and acoustic features, such as blocks and arch bricks.

TECHNICAL FEATURES

Nexclay 3-8F	Declared value	Units
Particle size distribution [15-90] % passing	6,3 – 12,5	mm
Loose bulk density ($\pm 15\%$)	291	kg/m ³
Crushed and broken surfaces ($\pm 15\%$)	5	% mass
Resistance to crushing ($\pm 10\%$)	2,0	MPa
Thermal conductivity	0,11	W/m.K
Water absorption ($\pm 10\%$)	23,9	% dry mass
Reaction to fire	Incombustible Class A1	-

RECOMMENDATIONS FOR APPLYING ARGEX

Nexclay can be used as a lightweight aggregate for mortars with studied batches. When making concrete or screed, make the mixture with only 2/3 of the intended water, then add the remainder at the end, to prevent the Nexclay to float due to excess water.

AVAILABILITY

Nexclay 3-8F is available in 50-litre bags and packages with 1,5 m³ and 3,0 m³. It can also be supplied in bulk, loaded at the factory from the silo into a truck.

The volume that is considered is the apparent, uncompressed volume, at the factory.

SHIPPING AND STORAGE

During transport and/or storage the smaller particles might get segregated, changes may occur in moisture content and the apparent volume might decrease due to rearrangement of the material, like with any other inerts such as sand and gravel.

HEALTH AND SAFETY

It is an inert product and does not constitute a hazard to health or the environment. In some applications, dust may occur and it is convenient to wear a protective mask.

Nexclay – Argila Expandida, S.A.

Zona Industrial de Bustos, Azurveira - 3770-011 Bustos - Aveiro - Portugal
T (+351) 234 751 533 - geral@nexclay.pt - www.nexclay.pt

