

Nonset® 400 / 400 FF. Expanding grout

PRODUCT DESCRIPTION

Nonset® is a cementitious dry mortar which expands 1 – 3% before setting. The mortar consists of cement, well graded sand, expanding, stabilising and plasticising additives. The frost resistant variants (FF) also contain special additives which enable curing down to -25°C.

AREA OF USE

For grouting under baseplates in thicknesses of 5 – 150 mm.

Nonset® must be placed within 45 minutes of mixing to ensure maximum expansion.

DIRECTIONS FOR USE

Preparation

Surfaces to be in contact with **Nonset®** must be free of loose concrete and contamination. The concrete should then be pre-soaked, preferably the day before to allow excess water to evaporate. Free water in and around depressions and projections must be blown away. At temperatures below 0°C the surface should be defrosted and any ice removed e.g. using a propane torch.

Mixing

Nonset® requires only the addition of water. Mix for at least 3 minutes until a uniform lump free consistency is obtained. Do not add more water than is necessary as too much water can lead to segregation, reduction in strength and a poor result. For smaller operations a drill with whisk attachment can be used for mixing and small quantities can be mixed by hand. For larger operations use a forced action mixer or a mortar mixer.

For frost free variants use tepid or warm water, adjusted so that the temperature in the fresh mixture is approx. +20°C, however never above +30°C.

Baseplate grouting

Formwork must be leak proof, well secured and with a raised level of 25 – 50 mm.

Construct a funnel on one side for pouring the mixture into. Make a 10 – 20 mm clearance on the other sides in order to control the filling and for rodding of the mixture. If the mixture is to be pumped place the hose in the centre of the form so the mixture flows out equally in all directions.

Placement

Pour the mixture into the form. Knock carefully on the sides of the form and rod the mixture e.g. with a thin reinforcing bar, to aid the flow and eliminate air pockets. Mixing and placement must be a continuous uninterrupted process until the form is full. Use of a special pump is recommended for large scale operations.

Curing

The most reliable and effective method is the immediate application of a curing membrane to exposed surfaces, and to begin watering the next day and for 3 – 4 days afterwards. Covering with plastic sheeting is also effective and is the preferred method for surfaces to be painted over.

For health, safety and environmental information, see separate HSE data sheet at www.resconmapei.com

WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

All deliveries from Rescon Mapei AS are made in accordance with the sale and delivery conditions applicable at the time, and these conditions are taken to be accepted on placement of an order.

N.B! FOR PROFESSIONALS

Technical specifications measured in the laboratory at +20°C and 50 % R.H.

Expansion: 1 – 3 %
Bleeding: 0 – 0.5 %

	Nonset® 400
Quantity of water per bag:	
- thick consistency:	3.0 l
- thin consistency:	4.0 l
D max.:	4.0 mm
Layer thickness:	30 – 150 mm
Compressive strength 28 days at 20°C:	62 – 68 MPa
	Nonset® 400 FF
Compressive strength 28 days - at +15°C:	59 – 64 MPa
- at -15°C:	25 – 30 MPa
Material consumption:	Nonset® 400: 2.0 kg per litre of mixture
Packaging:	48 bags per Europall (1200 kg) shrink wrapped.
Storage:	Stored dry in unopened packaging, product properties remain unchanged throughout the first 12 months.

Produsent:

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