

# aplicaTec Grout Grueso

Filling mortar for metal anchorings in thick layer.



**GlobalEPD**  
A VERIFIED ENVIRONMENTAL DECLARATION



High thickness



Fluid mortar



High resistance

## DESCRIPTION

Fluid mortar made of shrinkage-compensating expansive cement, with very high initial and long-term mechanical resistance and high bond strength with concrete. Ready to use – just add water. Free from chlorides. Also available as a sulphur-resistant mortar, aplicaTec Grout SR (see product data sheet for specifications).

## APPLICATIONS

Anchoring for metal elements, concrete or machinery. Filling bedplates by pouring under support plates. Filling hollows in concrete. Supporting beams in bridges. Fixing bolts. Reinforcing concrete elements through casing. Suitable for thicknesses between 30 and 100 mm. For lower thicknesses use aplicaTec Grout.

## APPLICATION SURFACES

The surfaces onto which the product is applied must be clean, sound and free from oils, grease and paint. Any metal elements must be free from rust. Absorbent surfaces should be saturated with water before the product is applied. Make sure that no puddles form on the surface.

## INSTRUCTIONS FOR USE

1. Gradually mix the mortar with water (3,5 liter per 25 kg sack). Do not use excess water.
2. Mix mechanically with clean water at low rpm until you obtain a smooth, fluid paste.
3. To make the best use of the mortar's expansive properties, pour it onto the application surface immediately after mixing.



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## WARNINGS AND RECOMMENDATIONS

- Do not apply the product at temperatures below 5°C or above 35°C.
- Do not apply when frost or rain are forecasted.
- Always use the exact amount of water specified.
- This product is ready to mix with water. Do not add any kind of additional substance which may alter its properties.
- This product is not recommended for surface leveling.
- When filling under plates, always ensure that there is a hole through which the air displaced by the mortar can escape.
- When used to fill, the minimum aperture size is 10 mm.
- We recommend wearing rubber gloves when handling this cement-like product.
- All tools must be washed immediately after use. If the product is allowed to dry, it will only be possible to Remove it by mechanical means.
- Storage: up to 12 months after manufacturing date in suitable temperature and humidity conditions.

## AVAILABLE FORMATS

aplicaTec Grout Grueso s available in 25 kg paper sacks with moisture-proof plastic lining, dispatched on shrink-wrapped pallets weighing a total of 1,000 kg (40 sacks).

## TECHNICAL FEATURES

Mixing water:	14% (3,5 l x sack)
Colour:	Grey mortar
Compressive strength 28 days after application (14% water):	68,2 N/mm <sup>2</sup>
Flexural strength 28 days after application (14% water):	10,2 N/mm <sup>2</sup>
Fire resistance:	Euroclass A1fl - UNE-EN iso 1182 and 1716
Mixture density (kg/l) :	Approx. 2,2
Grain size:	0-8 mm
Coat thickness:	30-100 mm
Consumption:	Approx. 2,40 kg/m <sup>2</sup> and mm thickness

## COMPRESSIVE STRENGTH TABLE

In accordance with UNE-EN 196-1

Water (%)	Compressive strength (N/mm <sup>2</sup> )	
	24 hours	28 days
12% (3,0 l x sack)	42,9	74,1
14 % (3,5 l x sack)	31,2	68,2
16% (4,0 l x sack)	23,7	53,5

## EARLY STRENGTH

In accordance with UNE-EN 196-1

Water (%)	Compressive strength (N/mm <sup>2</sup> )		
	12 hours	18 hours	24 hours
14% (3,5 l x sack)	11,6	25,8	31,2

## NOTE

The recommendations for use are based on our own knowledge and experience. The technical data provided have been obtained under normal laboratory conditions, and may therefore vary according to the environmental conditions in the place where the product is used. As the application conditions are beyond our control, the information provided here does not imply that the company accepts responsibility for any variations.