



## Technical Data Sheet (TDS)



### **JDK K 16**

Improved cement mortar for grouting joints from 2 to 10 mm with reduced water absorption and high abrasion resistance

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# JDK K 16

### DESCRIPTION

JDK is an improved professional cement-based coloured or white grout powder, with reduced water absorption and high abrasion resistance, for the filling and sealing of joints from 2 to 10 mm. The cement mortar is suitable for internal and external grouting of walls and floors with ceramic tiles, vitrified porcelain, porcelain, cotto, clinker and vitreous mosaic and natural stone materials.

### COMPOSITION

JDK is a formula consisting of special hydraulic binders, synthetic resins, aggregates selected and gauged according to specific grading curve, organic pigments and specific additives that improve the product in terms of workability, adhesion, water absorption and resistance.

### SUBSTRATE PREPARATION / PRE-TREATMENT

Before applying JDK ensure that the joints to seal are clean and dry and dust free and that the adhesive has correctly hardened. For particularly absorbent surfaces, or when applying in high temperatures, it is advisable to wet the K16 previously with clean water.

### MIXING AND APPLICATION

Add a 5 kg small bag of JDK K16 to approx. 1.3-1.5 litres of clean water and mix with an electric mixer at low speed until smooth and lump free. Adjust the amount of water for a more or less fluid mixture, depending on the type of application. Let the mixture rest for about 2-3 minutes and remix briefly before use. The mixed product is usable for about 90 minutes. Do not add water or mix to reuse beyond this period.

Fill the joints with grouting using a suitable rubber trowel in a diagonal direction compared to the joints. Remove the excess grouting from surface while still fresh.

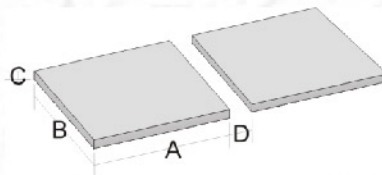
In the moment the grout JDK hardens in the joints, it is possible to clean and refine the surfaces. Remove any residue of grout from the surface using a clean damp sponge, in a circular motion on the newly sealed joints and finish with diagonal strokes in respect to the joints. During cleaning, rinse the sponge frequently with clean water. To avoid colour variations, always use the same amount of clean water evenly over the entire surface. Newly sealed floors can be walked on after 12-24 hours, depending on environmental conditions.

### TOOL CLEANING

Clean all equipment and tools with water before the product hardens. The hardened material can only be removed by physical scraping.

### YIELD / CONSUMPTION

To calculate the approximate consumption, use the following formula (dimensions are in mm):



$$\frac{A \text{ mm} + B \text{ mm}}{A \text{ mm} \times B \text{ mm}} \times C \text{ mm} \times D \text{ mm} \times 1,7 = \text{kg/m}^2$$

### COLOUR

01 White	02 Ivory	03 Rope	04 Yellow	05 Deep yellow
06 Light grey	07 Grey	08 Anthracite	09 Black	10 Cement grey
11 Platinum grey	12 Ash grey	13 Beige	14 Terracotta	15 Caramel
16 Dove grey	17 Brown	18 Cocoa	19 Light mint	20 Celest

### PACKAGING

5 kg small bags (4 small bags x box of 20 kg).

### EXPIRATION / CONSERVATION

12 months from the date of production.

Keep the product in its original packaging, intact and protected from moisture and frost. Store the product at temperatures between +5°C and +35°C.

### WARNINGS

Avoid applying in temperatures below +5°C or above +35°C. Avoid applying to surfaces that are dusty or unstable. Do not apply to surfaces that are frozen, thawing or if freezing temperatures are expected within 24 hours. Use mixing ratios indicated. Too much water or applying in temperatures below +8°C with a high percentage of humidity can cause carbonation. When preparing product always use the same amount of water in order to avoid possible colour variations. Do not use the cement mortar for sealing existing expansion joints. Use suitable elastic sealants.

### PRODUCT DATA





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### APPLICATION DATA

▪ Colour	White or coloured
▪ Dry bulk density	~ 1150 kg/m <sup>3</sup>
▪ Maximum aggregate size	≤ 0.2 mm
▪ Water content of mixture	26-30%
▪ Mixing ratio	1 small bag + 1.3-1.5 ℓ of water
▪ Minimum application temperature	+ 5°C
▪ Maximum application temperature	+ 35° C
▪ Joint length	2-10 mm
▪ Pot life	≥ 90 minutes
▪ Waiting time for finishing	10-20 minutes
▪ Ready to walk on	12-24 hours
▪ Ready for floor installation	≥ 5 days

### TECHNICAL DATA


▪ Flexion resistance	≥ 3.5 N/mm <sup>2</sup>	EN 12808 -3
▪ Flexion resistance after freezing and thawing cycles	≥ 3.5 N/mm <sup>2</sup>	EN 12808 -3
▪ Compression resistance	≥ 15 N/mm <sup>2</sup>	EN 12808 -3
▪ Compression resistance after freezing and thawing cycles	≥ 15 N/mm <sup>2</sup>	EN 12808 -3
▪ Abrasion resistance	≤ 1000 mm <sup>3</sup>	EN 12808 -2
▪ Shrinkage	≤ 3 mm/m	EN 12808 -4
▪ Water absorption after 30 minutes	≤ 2 g	EN 12808 -5
▪ Water absorption after 240 minutes	≤ 5 g	EN 12808 -5

### ENVIRONMENT, HEALTH, AND SAFETY(REACH)

For further information and advice on the handling, storage and safe disposal of the material, the user must consult the latest version of the Safety Data Sheet (SDS) available on the Internet, at [www.aljadi.com](http://www.aljadi.com) which contains information on the physical characteristics, ecological and toxicological products, together with other safety information. Product complies with the provisions of the Regulation (EC) no. 1907/2006 (REACH) and Annex XVII, item 47 and subsequent amendments and additions.

### PRODUCT FOR PROFESSIONAL USE.

### COMPLIANCE

	EN 13888 Cementitious grout with improved characteristics: high abrasion resistance and reduced water absorption CG2WA
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