

ESCO 1K Product Information

Characteristic

ESCO 1K is a ready-to-use jointing compound whose colour and structure yields joints whose character particularly emphasises the exclusive appearance of ceramic and natural stone cladding.

Application

ESCO 1K has been specially developed to create joints free from discoloration with stable colour properties in interior areas, in particular for

- marble, granite, natural stone
- cotto and terrazzo
- glazed and unglazed tiling
- glass mosaics and glass bricks

ESCO 1K is available in single and multiple colours, allowing the selection of jointing mortar colour to harmoniously complement the appearance of the covering, or even creating colour interplay between the covering and the joints.

Advantages of the product

1. Very easy application
2. No colour residues or films
3. Environmentally friendly
4. Joint design matched to the covering
5. Wide selection of colours and textures
6. Sealed, closed surfaces, easily maintained
7. Includes fungicide, no mould growth
8. Contains no epoxide

Joint dimensions

Joint widths 5 – 8 mm wet method.

Joint widths up to 20 mm trowel jointing, in particular for cotto natural stone.

Substrate preparation

Scrape out mortar to the depth of the slab. Areas where the thin bed technique has been used should not be grouted until after at least 24 hours.

Areas where a thick bed has been used should not be grouted until the mortar bed has thoroughly dried.

Application

Lightly dampen the surfaces to be grouted with a squeezed sponge before treatment.

Apply **ESCO 1K** in sections no more than 2 sq.m. in size, depending on the nature of the particular site.

Immediately after this **ESCO 1K** should already have begun to stiffen, but should not have developed a surface skin. The grouted surface should be wiped diagonally with a well-squeezed, large-pored sponge. Wipe several times.

After removing the excess mortar, smooth the joints down with the well-squeezed sponge.

Note: Any film that remains on the grouted surfaces should not be washed again. This should not be done until the next day, or later, using **ESCO** joint cleaning agent. Do not apply below +10 degrees.

Formula for calculation

JL:	Joint length / sq.m, m	= variable =
JW:	Joint width in mm	= variable =
JD:	Joint depth in mm	= variable =
1.6:	Specific weight of the jointing material	= constant =

$JL \times JW \times JD \times 1.6 = \text{quantity in g / sq.m.}$

Example for 25 x 33 cm format, joint width 5 mm, joint depth 8 mm
 $7 \text{ m} \times 5 \text{ mm} \times 8 \text{ mm} \times 1.6 = 448 \text{ g / sq.m.}$

This formula can be used to easily calculate the quantities for any format.

Technical data

Binding agent:	modified dispersion
Primary binding agent:	polyvinyl acetate / polyacrylate copolymer
Specific weight:	1.6 kg / l, depending on type
Application temperature:	at least + 10 degrees
Cleaning agent:	water

Packaging / delivery units

ESCO 1K is delivered in plastic tubs.

Delivery form: 1 kg and 5 kg containers

Storage / shelf life

Store **ESCO 1K** in a cool dry place, free from frost and not above 20° C. Shelf-life in the sealed, original containers is 12 months.

Cleaning instructions

1. Clean repeatedly, immediately after grouting and while still soft. Squeeze out the viscose sponge thoroughly, turn it over if possible, in order to obtain an absorbent, clean sponge surface. Repeat as required.
2. Clean the remaining thin film off on the following day using warm water and a micro-fibre cloth. Cleaning agents (basic cleaner) should only be used in highly diluted form.
3. If the film is particularly heavy, use **ESCO** joint cleaning agent diluted 1:1 with water. Clean mechanically with a soft pad. Clear up any dirt with a sponge, so that it does not adhere again.
4. Maintenance cleaning
It should be noted that the grouted joints are recessed, and cannot be reached by an ordinary scrubbing brush.

The joints should be treated specifically after about a year. Basic cleaners (alkaline) are most suitable, as they also remove grease.

Dirt that has been released must always be collected up, since, as the cleaning agent and water evaporate, the dirt gradually becomes concentrated, and will cause permanent soiling of the joint.

Tensile tests according to DIN 53504

Sample ESCO 1K	Crack resistance in N / sq. mm	Elongation at break in %	Tensile strength in N / sq. mm	Extension at Fmax in %
Standard	0.92	14.36	1.11	5.19
30 g elast. addition	0.85	14.39	0.90	8.51
50 g elast. addition	0.84	21.26	0.94	9.69

Disposal

Scrape tubs empty and wash them out.

Waste code: 55508 coating material

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