

SHOCK-KING



SHOCK-KING SIZE (cm)

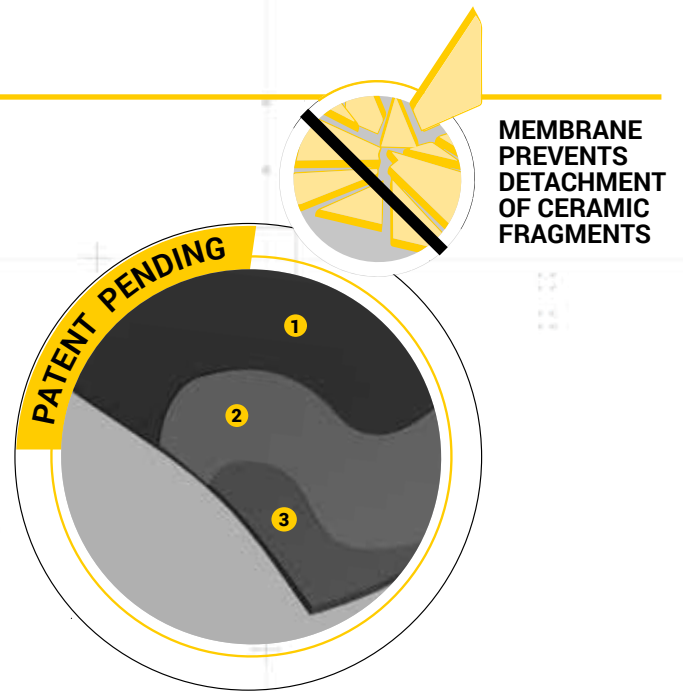
20X120	30X120	40X120	60X120	60X60	30X240	80X80	OTHER SIZES AVAILABLE ON REQUEST
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DESCRIPTION

The **PATENTED self-adhesive protective membrane** for ceramic tiles used in raised floorings. Shock-King is the practical system for reinforcing tiles, certified by the **THREE HARD BODY IMPACT TESTS** to standard UNI EN 12825:2003 (documentation available on request).

SHOCK-KING IS A 1.2 MM THICK STRATIFIED MULTI-MATERIAL MEMBRANE COMPOSED OF

- 1** Highly adhesive ceramic bonding layer, protected by removable film.
- 2** High performance bituminous compound for a robust and secure grip.
- 3** HDPE 'shock retarder' layer, provides support in case of tile breakage.



	CODE	Sizes (mm)	Colour	Weight (kg/cad)	Pieces per box	Pallet size (cm)
SHOCK-KING 20120	KSHK2120	20x120	Black	0,30	60	80X120
SHOCK-KING 30120	KSHK3120	30x120	Black	0,50	42	80X120
SHOCK-KING 40120	KSHK4120	40x120	Black	0,65	30	80X120
SHOCK-KING 60120	KSHK6120	60x120	Black	0,95	21	80X120
SHOCK-KING 6060	KSHK6060	60x60	Black	0,50	32	80X120
SHOCK-KING 30240	KSHK3240	30x240	Black	1,00	18	80X120
SHOCK-KING 8080	KSHK8080	80x80	Black	1,30	18	80X120

THE LAYING OF THE MEMBRANE SHOCK-KING



APPLICABLE ON SITE

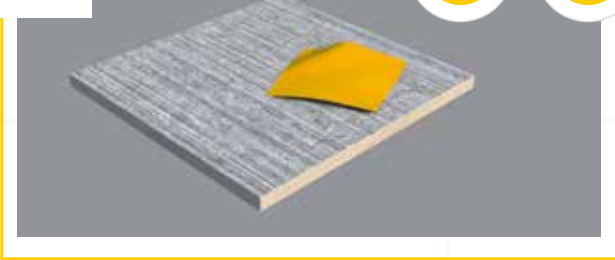


APPLICABLE AT YOUR WAREHOUSE



SHOCK-KING is the only protective ceramic reinforcement system easy to transport and to handle. Unlike systems traditionally used to deal with the problems of raised tiles breaking, Shock-King is much more versatile, affordable and easy to manage. It can be easily applied on site with a silicone roller and is ready for use.

1



It is advisable to apply Shock-King at your warehouse the evening before laying. If applied on site, make sure the environment and tiles are dry. Always clean the bottom surface of the tile with a dry cloth.

2



In the application on site, make sure that the climate is dry and if the slabs are wet, treat them beforehand with a special primer before applying Shock-King. **Do not apply on site in the presence of salt**, but apply the evening before in the warehouse.

3



Starting from one of the sides, proceed to remove the protective film, ensuring perfect adhesion of Shock-King to the ceramic surface.

4



Continue uniformly until the whole surface is adhered to with the aid of a silicone roller, avoiding the formation of creases or air bubbles.

5a

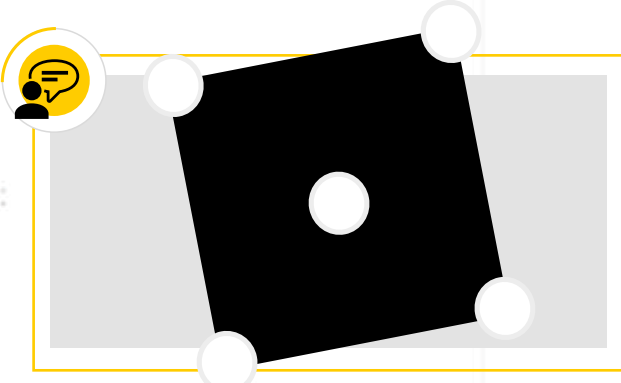


CASE 1 - at the warehouse: place the already protected tiles in the classic diagonal staggering and leave overnight.

5b



CASE 2 - on site: diagonally stagger the adhered tiles and start laying from the first tile treated, so that the adhesive has time to set (about 30 minutes).



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APPLICATION

- 1) Position the **SHOCK-KING** dry on the laying surface;
- 2) Remove the non-stick removable film;
- 3) Roll the surfaces in order to aid adhesion.

RECOMMENDATIONS

- The **SHOCK-KING** product must be used on clean and dry slabs.
- Do not apply **SHOCK-KING** below 10°C.
- In colder periods, the application can be facilitated using special hot air burners and/or a flame torch.
- Store **SHOCK-KING** indoors and in environments with temperatures above 0°C.
- For a perfect adhesion of the **SHOCK-KING** on the back of the tile no air bubbles should be left, so as to prevent areas that are not glued and build-ups of moisture.
- Do not stack the **SHOCK-KING** pallets in the warehouse, to avoid adhesion between the sheets.
- **Do not apply on site in the presence of salt**, but rather apply the evening before in the warehouse.
- **Laying recommendations** Taking the 60x60 cm tile format and multiples of that as a reference, we recommend using a central support, to decrease the bridge between the supports and increase the seal in case of accidental breakage of the slabs.

For further information, our technical department is always at your disposal.

TECHNICAL CHARACTERISTICS	Unit	Values	Tolerances
Thickness	mm	1,2	+/-5%
Dry mass	kg/m2	1,2	+/-10%
Upper Finish		HPDE	
Lower finish		Siliconised PE film	
Reinforcement type		Glass - Hdpe cover	
Adhesive mass description		Soft adhesive mass	
Adhesive mass penetration at 60°C	dmm	200	≥
Cold flexibility	°C	-30	≤
Impermeability	kPa	100	≥
Hot form stability	°C	100	≤
Breaking load	N/5 cm	250	≥
Breaking elongation	%	250	≥
Resistance to tearing	N	200	≥
Dimensional stability	%	0,2	≤
Pelage on steel	N/5 cm	50	≥
Pelage on steel after inv 70°C 12 w.	N/5 cm	100	≥
Pelage 180° adhesive mass on adhesive mass	N/5 cm	80	≥
180° pelage after inv adhesive mass on adhesive mass	N/5 cm	160	≥
Pelage 180° adhesive mass on hdpe	N/5 cm	50	≥
180° pelage after inv adhesive mass on hdpe	N/5 cm	100	≥
Fire resistance		F ROOF	
Reaction to fire		F	

Pursuant to Legislative Decree No. 285/98 the product does not contain dangerous substances.

Recommendations: It is recommended to store the product at temperatures above 0°C in suitable environments (covered and ventilated). The surface where the product will be applied must be smooth, dry and clean. The application must take place at ambient temperatures above 10°C. The application must be suspended in case of adverse weather conditions (high humidity, rain, etc.). The pallets supplied are suitable for normal warehouse handling and not for hoisting.

SHOCK-KING PASSED HARD BODY IMPACT TEST



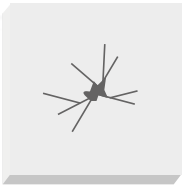
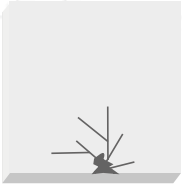
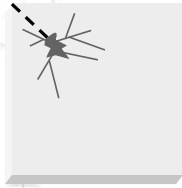
Shock-King is the only reinforcing protective system that allows 2 cm thick ceramic tiles to be used in raised flooring, **passing the hard body impact test according to the standard UNI EN 12825:2003.**

The test is carried out using the following **procedure**:

A steel impactor with a mass of 4.5 ± 0.05 kg and 50 mm hemispherical point passes inside a guide tube (of 55 mm diameter) and falls onto a test panel from a height of 600 ± 10 mm, at the following points:

- the centre of the panel, and
- the centre of a side of the panel, and/or
- any other point that is the weakest point of the panel. The panel must not yield or break after any impact

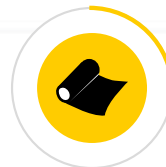
CERAMIC TILES ON WHICH SHOCK-KING HAS BEEN APPLIED HAVE PASSED ALL THREE TESTS PROVIDED FOR BY THE STANDARD, WITHOUT THE DETACHMENT OF ANY FRAGMENT FROM THE SHOCK-KING MEMBRANE FOLLOWING THE THREE IMPACTS.

PASSED ✓	PASSED ✓	PASSED ✓
		
IMPACT ON PANEL CENTRE	IMPACT ON PANEL SIDE	IMPACT 7CM ALONG THE DIAGONAL
Ceramic breakage (no detached fragment)	Ceramic breakage (no detached fragment)	Ceramic breakage (no detached fragment)

NO CERAMIC FRAGMENT DETACHED FROM THE MEMBRANE



- **ROT-PROOF,**
- **NON-DEFORMING,**
- **DOES NOT STICK,**
- **INSOLUBLE,**
- **ROOT RESISTANT,**
- **NON-ABSORBENT,**
- **DOES NOT PRODUCE BAD SMELLS.**



**PRESERVES
WATERPROOFING**