

# | SCHÖNOX LIGHTWEIGHT SCREED SYSTEM



| Faster, stronger, less weight...  
....the SCHÖNOX LIGHTWEIGHT SCREED |



FOR PROFESSIONALS SIMPLY BETTER.

| [www.schoenox.com](http://www.schoenox.com) |

 **SCHÖNOX**<sup>®</sup>  
A SIKA BRAND



NEW!

## | Faster, stronger, less weight...



...using the SCHÖNOX LIGHTWEIGHT SCREED SYSTEM.

Used to level uneven floors, specifically when time is an issue.

SCHÖNOX LIGHTWEIGHT SCREED SYSTEM - Designed for rapid renovation.





NEW!



## SCHÖNOX LIGHTWEIGHT SCREED

Rapid Setting Lightweight Screed.

The solution on substrates where a conventional screed is no option for structural reasons.

- Short time to be ready for covering
- Layer thickness above 15 mm
- No limit on layer thickness
- Easy application in the system
- Suitable for large jointless surfaces

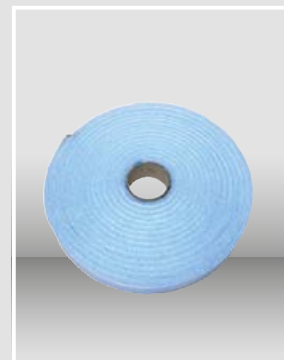






**| Excellent results with only one system! |**

## | SCHÖNOX NIVELLIERRANDSTREIFEN



Self-adhesive backing.

**Preferable use for any levelling of uneven substrates.**

- Material thickness: 10 mm
- Heights: 50 mm
- Roll length: 10 m

## | SCHÖNOX PZG



Crack-bridging, reinforced and alkaline resistant glass fabric.

**Extreme tear-resistant and useful for many types of application.**

- Especially on wooden substrates
- Very high tensile strength
- Avoiding stress in composite constructions

## | SCHÖNOX HS 40 S



Superfine, sturdy, general purpose hybrid repair mortar.

**The repair mortar solution to various challenges.**

- Extendable
- Long open time?
- Good mouldability
- Rapid hardening



## | SCHÖNOX HS 50



Extremely low-stress, hybrid levelling compound with a wide range of application.

**For any necessary thick layer application.**

- Ready for covering already after 48 hours in any thickness
- Layer-thickness 3 to 50 mm
- Self levelling
- Pumpable







SCHÖNOX LIGHTWEIGHT SCREED SYSTEM...  
...to install low weight sand cement screed surfaces for early floor covering installations



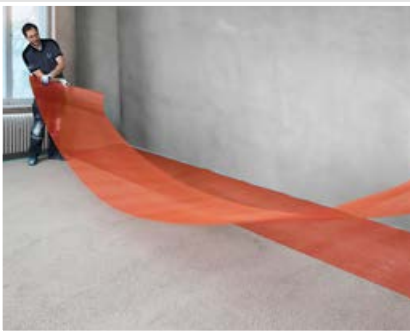
1 First apply the SCHÖNOX NIVELLIERRANDSTREIFEN to avoid contact with any vertical structures.



2 Mix the special binder SCHÖNOX LEB with 3,25 l cold, clean water for approx. 60 seconds. Add SCHÖNOX LEB while mixer is running to the SCHÖNOX LEF and mix for a further 120 seconds.



6 Compact the surface after approx. 5 - 10 minutes using a smoothing trowel.



8 After accessibility, start to lay out SCHÖNOX PZG. To avoid roll tension, install SCHÖNOX PZG „upside down“.



3 Start in the corner area the required layer thickness of SCHÖNOX LIGHTWEIGHT SCREED. Use a laser or levelling pins to control the heights.



4 Draw off the mortar with a measuring rod.



5 Practice Tip: To achieve the desired height, draw off the mortar using gauges.

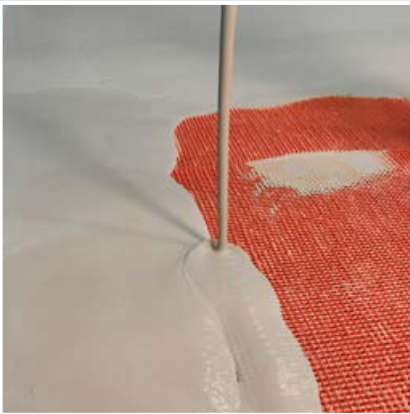
**PRACTICE TIP**



7 Ready for foot traffic after approx. 2 - 3 hours.



9 Lay out SCHÖNOX PZG with an overlap of at least 5 cm and fix with SCHÖNOX HS 40 S where required.



10 After approx. 30 minutes apply SCHÖNOX HS 50 in a layer thickness above 6 mm over the highest point of SCHÖNOX PZG.



| Technical Data of the System Components

	SCHÖNOX LIGHT- WEIGHT SCREED	Filler Component  SCHÖNOX LEF	Special Binder  SCHÖNOX LEB	Levelling Compound  SCHÖNOX HS 40 S	Levelling Compound  SCHÖNOX HS 50	Underlay  SCHÖNOX PZG
Minimum thickness of system if not decoupled	15 mm	-	-	-	-	-
Minimum thickness on underlay	25 mm	-	-	-	-	-
Maximum thickness	unlimited	-	-	20 mm	50 mm	-
Weight per unit area in kg/m² (approx.)	4,00 kg/m²/cm	-	-	0,30 kg/m²	21,00 kg/m²/ 6 mm	0,55 kg/m²
Material consump- tion, Components (approx.)	3,5 kg/m²/cm	1,65 kg/m²/cm	1,85 kg/m²/cm	250 g/m² (punctual)	19 kg/m²/ 6 mm	1,05 m²
Water	3,25 l	-	-	5,0 l	4,25 l	-
Working time (approx.)	45 minutes	-	-	15 minutes	30 minutes	-
Walkable after (approx.)	2 hours	-	-	30 minutes	2 hours	asap
Reaction to fire	A1/A1 <sub>fl</sub>	A1/A1 <sub>fl</sub>	A1/A1 <sub>fl</sub>	A1/A1 <sub>fl</sub>	A1/A1 <sub>fl</sub>	-
Package size	9 kg LEF 10 kg LEB	9 kg	10 kg	20 kg	25 kg	1,0 m x 25 m

| Weight per Unit Area and Layer Thickness

Total Heights	Layer Thickness Lightweight Screed (cm)	Dry Weight Lightweight Screed in kg/m² (approx.)	Dry Weight SCHÖNOX HS 40 S in kg/ m² (approx.)	Dry Weight SCHÖNOX HS 50 S in kg/ m² (approx.)	Total Weight SCHÖNOX PZG in kg/m² (approx.)	Total Weight per unit in kg/ m² (approx.)
3 cm	2,4	9,6	0,3	21	0,55	31,5
4 cm	3,4	13,6	0,3	21	0,55	35,5
5 cm	4,4	17,6	0,3	21	0,55	39,5
6 cm	5,4	21,6	0,3	21	0,55	43,5

| Loading and Ready for Covering

Ready for covering	after approx. 48 hours
Point loading	up to 4,0 kN
Load distribution	up to 5,0 kN/m²
Jointless surfaces	up to 15 m field length

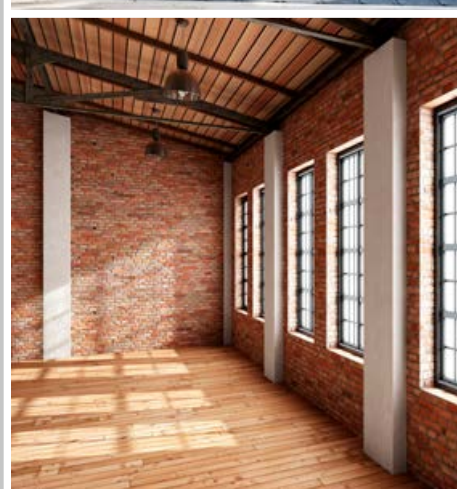




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## SCHÖNOX LIGHTWEIGHT SCREED SYSTEM

- SCHÖNOX LEB
- SCHÖNOX LEF
- SCHÖNOX NIVELLIERRANDSTREIFEN
- SCHÖNOX PZG
- SCHÖNOX HS 40 S
- SCHÖNOX HS 50



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