

# SIGIL MS BLACK

## BLACK SEALANT FOR WOODEN FLOORS IN EXTERIOR AND BOAT DECKING

Sigil MS Black is a single-component solvent-free sealant based on MS polymer resins, resistant against UV rays and sea water. It is suitable to make joints on wooden floors in interior or in exterior and it also can be used for boat caulking.

Sigil MS Black hardens through reaction with moisture and the curing time is subject to hygrometric conditions: high relative humidity leads to slower hardening; after drying it does not make bubbles and its adhesion and elasticity properties remain at long.



### Technical data

#### Chemical-Physical characteristics (20°C – 60% R.H.)

Appearance	Black paste	Specific gravity	1,50
------------	-------------	------------------	------

#### Times (20°C – 60% R.H.)

Skin formation	30'-40'	Cutting/sanding	5-7 days
Overcoating	24 h	Hardening rate	1-2 mm in 24h

#### Technical characteristics (20°C – 60% U.R.)

Approximate consumption in linear meters for 600ml	Ribs Ø 6mm ~ 32 m	Hardness (Shore A, 14 days)	40 – 45
Shear strength DIN 53504 (14 days 23°C, 55 % r.h.)	≥ 2 N / mm <sup>2</sup>	Elongation to break (DIN 53504, 14 days)	~ 400%
Strength at 100% elongation DIN 53504 (14 days 23°C, 55% r.h.)	approx 1N/mm <sup>2</sup>	Application temperature	+15° up to +35 °C

#### Storage & Labelling

Storage (original unopened packaging stored in normal conditions)	18 months	Symbols of risk	NONE
---	-----------	-----------------	------

#### Tools cleaning

When the adhesive is still fresh use Solvente S/23.  
When hardened it can be removed only mechanically.

#### Packaging

Sausages of 600 ml

### Application

#### Outdoor wooden floors joints (caulking).

- To reach the best performances, joints width has to be proportional with wooden elements width and with joint deepness. See indications in the table below.

2.

Wood width	Joint deepness	Minimum joint width
35 mm (1,4 inc.)	4-5 mm (0,16-0,20 inc.)	4-5 mm (0,16-0,20 inc.)
45 mm (1,8 inc.)	6 mm (0,24 inc.)	4-5 mm (0,16-0,20 inc.)
50 mm (2,0 inc.)	6 mm (0,24 inc.)	5-6 mm (0,20-0,24 inc.)
75 mm (2,9 inc.)	7 mm (0,28 inc.)	8 mm (0,31 inc.)
100 mm (3,9 inc.)	8 mm (0,31 inc.)	10 mm (0,39 inc.)

- Wooden edges should form a **sharp** and regular **joint section** (see schemes below) to permit complete joint filling; furthermore the joint should not be rounded and should have a width proportional with wooden width and deepness of gap (see table in Notes).



Fig.1. Schemes of shape and regular joints, not rounded, ideal for outdoor applications.

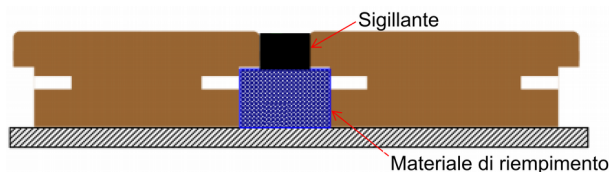


#### TOVER S.R.L.

Via Rosa Luxembourg 2/A  
10093 COLLEGNO (TO)  
P.IVA 07783540011  
R.E.A. n°920259  
Tel.: +39-011/7792823  
Fax: +39-011/7792749  
[www.tover.com](http://www.tover.com)  
e-mail: [info@tover.com](mailto:info@tover.com)  
Made in Italy



To get an optimal caulking we advice to lay a marine plywood sheet on the subfloor; then lay down teak wooden elements with sharp rectangular section respecting enough distance from one to another (see scheme below). Apply the sealant into the joint, if necessary proceed introducing previous filling material.



4. Check the whole surface to be clean and dry, free from dust, greases or detached particles. Any residue of old varnishes or waxes must be carefully removed. Wood humidity must be lower than 15%.

**No adhesion promoter or primer is needed.**

5. Avoid that the sealant adheres with the joint bottom; in this way the joint is able to properly follow wood dimensional changes caused by hygrometric conditions. It is recommended to apply a not-sticky tape on the bottom of joint.

#### **Application.**

Cut the cartridge nozzle with section proportional to joint and insert it into the proper application gun; extrude the sealant sliding on the joint deeply and filling it completely, without inclusion of air bubbles.

Before skin formation (approx. 40 min.) press, compact and smooth the sealant with a spatula promoting an optimal filling. Protect it from water and sunlight for 8-12 hours at least.

After 5-7 days (20°C) Sigil MS Black can be cut or sanded; it is very important to make final cutting during dry days, when the wood is shrunk, so the joint will be stressed in compression without formation of cracks and defaults.

#### **Cleaning.**

The still fresh product can be totally and easily removed from hands and prefinished parquet with clothes dumped with Stripcoll or using Tovclean.

Once dry and hardened, the adhesive can be removed only mechanically.

#### **Notes**

- ✓ As topcoat we suggest to use oil-based products like Oil4Sun (specific for outdoor) or Crema d'Olio. It is not recommended to use a lacquer even if Sigil MS in most cases can be over-coated. It is always recommended to make preliminary adhesion tests
- ✓ For maintenance of wooden floors sealed with Sigil MS Black we suggest to use a neutral detergent. Avoid contact with caustic solutions, chlorine bleach, acids or solvents.
- ✓ For hands cleaning use Tovclean towels.

#### **Safety rules**

FOR PROFESSIONAL USE ONLY. Strictly respect the information reported on the labels and consult safety data sheets before use.

#### **Disposing of waste**

Dispose not used product and empty containers in accordance of local in force regulations.

WARNING: The information reported in present technical data sheet are for guidance only and they do not hold our responsibility; the environmental conditions and the employ modalities are out of our control. We advice to check that the product fits for the work to be done.

REV.2 31-07-2013. Current Technical Data Sheet replaces the previous one.



**TOVER S.R.L.**  
Via Rosa Luxembourg 2/A  
10093 COLLEGNO (TO)  
P.IVA 07783540011  
R.E.A. n°920259  
Tel.: +39-011/7792823  
Fax: +39-011/7792749  
[www.tover.com](http://www.tover.com)  
e-mail: [info@tover.com](mailto:info@tover.com)  
Made in Italy

