

TROPICAL SQ

**TWO COMPONENTS WATER-BASED VARNISH
HIGH COVERING - WARM TONING EFFECT**

Tropical SQ is a PU water-based varnish characterized by a very high coverage and an intense warm-toning effect; furthermore Tropical is totally NMP free. Thanks to the 10:2 mix ratio and to innovative resins, it will be formed a coat with excellent mechanical properties and high resistance to chemical compounds, to water and to the most of the common domestic use detergents. The dry film shows an homogeneous appearance and the wood colours appear immediately sharper and brighter. The product is available in two versions:

Tropical 50 SQ (semi-glossy) and **Tropical 20 SQ** (matt).



Technical datas

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

Specific gravity comp. A	1,031 g/cm ³	Viscos.comp. A FORD 4	31"
Specific gravity comp. B	1,070 g/cm ³	Viscos.comp. B FORD 4	17"
Specific gravity mix	1,033 g/cm ³	pH	7,0

Mixing ratios and Times (20°C – 60% R.H.)

Mixing ratio A:B	10:2	Overcoating	10 - 12 hours
Pot life	4 h (see notes)	Sanding	16 - 24 hours
Dust dry	30'	Possible dilution	5% with water or Rallenty additive
Touch dry	1 h 30'		

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

Coverage	12-14 m ² /lt	Gloss level (Novo gloss 60°)	TROP.50: ca. 45 gloss TROP.20: ca. 20 gloss
Abrasion resistance (Taber moles CS10 1Kg 1000r) UN ISO 5470-1 (rif.EN14904)	15 mg (7 days)	Category and VOC content limits in accordance with Eur.Dir. 42/2004.	Cat.A/j (WB): 140 g/l (jan2010)
Skid resistance according to CEN/TS15676 (rif.EN14342)	82,1 mm COMPLIES	VOC content (pure prod)	< 140 g/l
Skid resistance according to EN13036-4 (rif.EN14904)	89,1 mm COMPLIES	Application temp.	> 10 °C

Storage and labeling

Storage (original unopened packaging with T>10°C)	12 months AVOID FROST	Symbols of danger	None
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Cleaning roller and tools

Just after use clean roller with water and neutral soap or Additivo S/43 employing an handy 'roller-squeezer'; If possible, rinse also in streaming clear water and store roller and tools into Idrolavaggio S/27.

Packaging

Comp.A: canister of 5 lt Comp.B: bottles of 1 lt

Application

Sand and in case fill the floor using a water-based filler like Idrostucco RS/30 or the ready to use Prontostucco RS/40, or using a solvent-based filler like Legastucco RS/20; finish sanding operations with a 150-180 grit size sandpaper and carefully clean the surface.

Mix the two components respecting the right mixing ratio (**10:2**) using a mechanical mixer (when possible). For a correct mixing we recommend to pour B component into A component slowly and under stirring; in this way the final coat appearance is optimized.

Wait from 10-20 minutes to permit a pre-reaction of the mix then apply the varnish by roll. We advices to employ medium hair rollers for better application and distribution.



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Recommended coating cycles

Cycle 1

2 or 3 coats
Tropical SQ

Apply a first coat of Tropical SQ; sand after 18-24 h with fine grit size sandpaper (180-220) and apply a second coat of varnish. In case a third coat is required, wait 10-12 hours at least without sanding or 18-24 hours if this operation is necessary. When directly applied on wooden surface, Tropical SQ leads to specific oxidative reaction and induces warmer wood appearance.

Cycle 2

1 coat
Base Gold
+
1 or 2 coats
Tropical SQ

Apply a first coat of two components seal Base Gold; after 4-5 h sand with fine grit size sandpaper (180-2200); finish with one or two coats of Tropical SQ by roll; between each coat wait at least 10-12 hours in case sanding is not required or 18-24 hours in case sanding is necessary.

Using Base Gold as sealer, a smooth, full fill and even surface is achieved and the wood acquires the same warm toning as well the Tropical SQ.

Cycle 3

1 coat
Idrofondo MITO SQ
+
1 or 2 coats
Tropical SQ

Apply a first coat of two-components prime Idrofondo MITO SQ; sand after 4-5 hours with fine grit size sandpaper (180-220); finish with one or two coats of Tropical SQ by roll; in case sanding is not required, between each coat, wait at least 10-12 hours or 18-24 hours in case sanding is necessary.

N.B. The two components seal Idrofondo MITO SQ builds up a shield against Tropical SQ warming; in this way there will be favoured only the other excellent properties of the varnish: high covering, high chemical resistance and appearance.

Cycle 4

1 coat
Idrofondo AC
+
2 coats
Tropical SQ

Apply on coat of single component sealer Idrofondo AC; after 40-60 min sand homogeneously with fine grit size sandpaper (180-220) and finish with two coats of Tropical SQ; between each coat wait at least 10-12 in case sanding is not required or 18-24 hours in case sanding is necessary.

Using Idrofondo AC, a smooth and even surface is faster achieved, promoting the following warm action of Tropical SQ.

When using a solvent based two components sealer (so-called 'mixed cycle') or a natural effect sealer (as Idrofondo MITO SQ), take care to not break up this kind of seal during sanding to avoid areas with non homogeneous tonalities.

Furthermore we remind that the varnish film has to be thin for the reaching its best performances, both aesthetic and mechanic.

Note

- ✓ **IMPORTANT.** Unlike the common two components water-based varnishes, the A component of Tropical SQ is not film forming without hardener.
- ✓ Do not mix Tropical SQ with other water-based varnishes: there could be incompatibility between them leading to gelification.
- ✓ The mix A+B remains liquid for many hours but it must be applied not over 4 hours to obtain a continuous and homogeneous film.
- ✓ It's very important to respect correctly the informations reported in technical data sheets to obtain a final appearance without defects.
- ✓ Avoid to coat in two different steps the perimeter and the rest of the floor: instead we recommend to treat small zones of the perimeter and immediately proceed varnishing the adjacent area.

Maintenance

For the frequent maintenance and cleaning of the floors coated with this product is recommended to use the neutral soap Pulito Parquet or the disinfecting detergent Saniparquet. For the extraordinary maintenance use the *polish* Lux.

Safety rules

FOR PROFESSIONAL USE ONLY. Strictly respect the informations 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.9 24-10-11. Current Technical Data Sheet replaces the previous one.