

SINCE 1969

IRURENA

— WOOD COATINGS —



IRUXIL

PROTECTION FOR
YOUR **EXTERIOR WOOD**





SINCE 1969

IRURENA

— WOOD COATINGS —

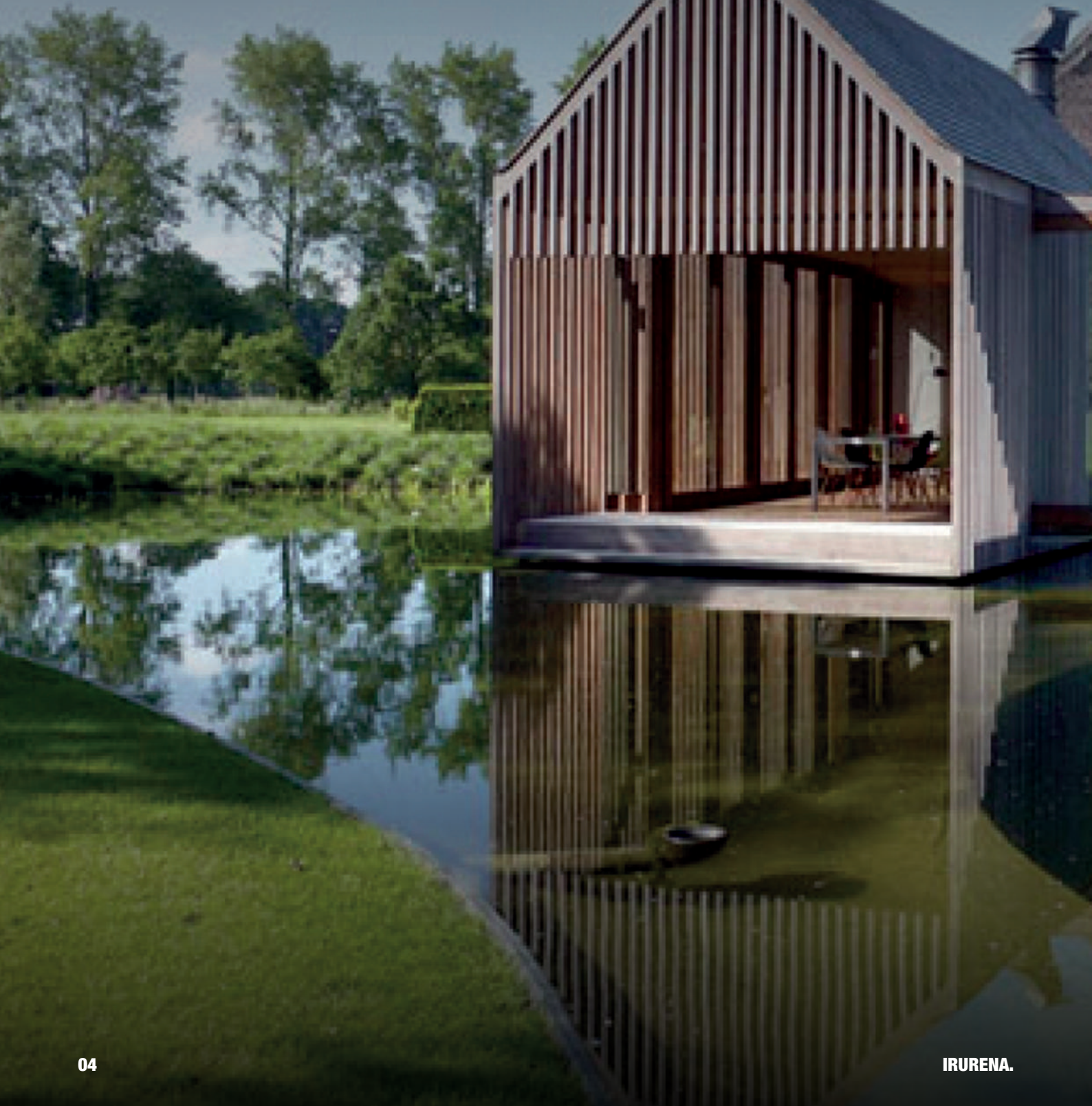
Wood is a widely used material to build and decorate outdoor environments. It offers it its own personality and warmth as well as being the only totally sustainable and even self-recoverable natural resource.

At **IRURENAGROUP** we adapt to your needs. Our qualified technical department has developed a wide variety of varnishes, to provide your wood with adequate protection for each situation.

Whatever the product or process you require, at **IRURENAGROUP** we have the **perfect protection for your wood.**

IRUXIL

GLOBAL SOLUTIONS
FOR ANY OUTDOOR ENVIRONMENT



100% WATER-BASED

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WOOD COATINGS

• RESPONSIBLE WITH THE ENVIRONMENT

The impact of IRUXIL water-based varnishes on the environment is minimal. They are highly respectful due to their water-soluble character. They do not emit toxic or contaminating vapours, which cause climate change and respiratory diseases.

• THEY ARE ODOURLESS

Due to their composition, IRUXIL water-based varnishes have the magnificent advantage of not generating odours, or of having a very mild, faint odour that disappears quickly after application. Unlike synthetic products, which generate a very strong, unpleasant odour during drying generated due to their solvent evaporating.

• HIGH ELASTICITY

Due to its high elasticity, it can adapt to the movements of the substrate without cracking.

• DURABILITY AND RESISTANCE

In addition to not forming a hard film when completely dry, IRUXIL products remain elastic over time due to the resistance to aging of the resins they contain.

• PROTECTION AGAINST THE WEATHER

Applying IRUXIL on the exterior wood of a building or furniture provides them with great protection. Thanks to the formation of a microporous film that allows the humidity of the wood to transpire, avoiding the formation of blisters. In addition, they contain filters against the sun's rays, preventing changes in colour and damage to the wood, such as cracks or scales.

• EASY TO APPLY

One of their greatest advantages is how easy they are to apply. Being water-based, water can be used for dilution and cleaning. With optimal ventilation, drying is fast. Unlike solvent-based varnishes (synthetic), their drying is not delayed in certain tropical woods (e.g.: iroko).

• DOES NOT CHANGE COLOR

It maintains a stable colour. Unlike synthetic enamels, IRUXIL does not yellow. It also maintains the shine and the finish of the wood stays intact for longer.

• EXCELLENT FINISHES

In industrial application, silky, uniform finishes are obtained.

DURABILITY OF IRUXIL

SUNLIGHT PROTECTION

The surface of wood, like our skin, is damaged by exposure to solar radiation. In the Iruxil range, there are products designed for each circumstance and for the needs that each environment requires.

Iruxil exterior varnishes therefore minimize the damage caused by solar radiation. But the effectiveness of UV protection depends not only on the product, but also on the process, location and colour.

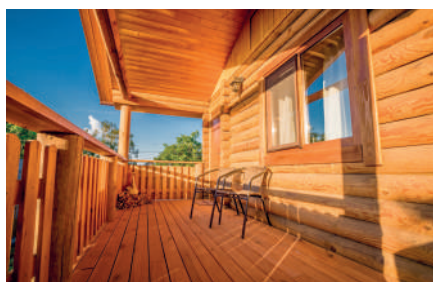
WHAT IS THE LEVEL OF EXPOSURE TO THE SUN?

INDIRECT

Places with a **short period of exposure to the sun.**

E.g.: North facing. Roofed porches.

- Biological risk: EN-335 standard, use class 2.



DIRECT OR NORMAL

Places with an **average period of exposure to the sun.**

E.g.: Partially protected facade elements such as doors and windows.

- Biological risk: EN-335 standard use class 2 (south facing).



EXTREME

Places with **high exposure to the sun Water-based.**

E.g.: Unprotected facades. South facing. Urban furniture.

- Biological risk: EN-335 standard use class 3 (south facing).



WHAT PROTECTION IS OBTAINED WITH IRUXIL VARNISHES?

COLOURS OPAQUE



They have very effective UV filters (the radiation does not reach the wood).



MAXIMUM PROTECTION

10 years

SEMI-TRANSPARENT COLORS



Effective UV filters based on iron oxides. Semi-transparent enable the grain and the beauty of the wood to be appreciated. Redder tones are more effective.



HIGH PROTECTION

3 years

COLORLESS WITH UV FILTER



They are less effective. Wood degrades faster.



MEDIUM PROTECTION

12 months

Estimated durability of the Iruxil range with direct exposure.

DURABILITY OF **IRUXIL**

WATER PROTECTION

The elasticity, great adhesion and permeability of IRUXIL, means the wood is protected for longer.

Wood is very sensitive to changes in humidity and exposure to water. For this reason, wood needs a coating that protects it from these inclemencies and that provides the following properties:

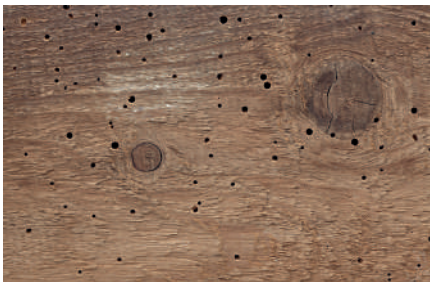
- The great **elasticity** of **IRUXIL** coatings helps the wood adapt to dimensional changes caused by humidity, especially in joinery elements such as windows, doors and structures.
- If the wood contains humidity **when applying**, the adhesion of the coating may be affected. For this reason, **IRUXIL** provides special benefits so that it adheres better to the wood.
- **As IRUXIL** also has high **permeability qualities** against water vapour, this prevents the appearance of defects such as cracks in the wood, blisters or chips.



PROTECTION WITH **IRUXIL** FOR **FUNGI AND INSECTS**

The action of fungi and insects can damage woodwork. Xylophagous fungus causes carpentry rot, while blue mould can considerably damage the aesthetics of wood, not affecting its mechanical properties. To avoid such damage, the preventive application of an primer with such protection is recommended (not necessary if the wood is resistant or thoroughly treated).

The action of xylophagous insects (e.g. woodworm) can also cause damage or defects (holes), although this is a very rare defect in exterior carpentry, as growth is inhibited at low temperatures.



IRUXIL W-I

Registered with the
Ministry of Health and Consumer affairs.
(REGISTRATION NO. 16-80-05467).



SAFETY AND COMMITMENT WITH OUR TESTED AND GUARANTEED PRODUCTS

IRUXIL, is a range of tested products guaranteed by the QUALITY LABEL of the TECNALIA technology centre for "Lasures, decorative protectors for outdoor wood". In accordance to tests carried out according to European Standard UNE-EN 927.



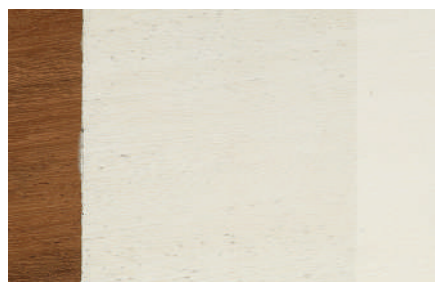
IRUXIL AVOIDS THE APPEARANCE OF STAINING FROM **TANNINS**

Tannins cause unwanted yellow-brown colorations, especially in humid conditions. Certain woods such as oak, chestnut, cedar, iroko, pine knots, etc. are prone to having this type of substance.

To prevent tannin discoloration, it is important to select the appropriate wood species, and to use dry wood, with a moisture content of less than 15%. Before installing the carpentry, all the faces

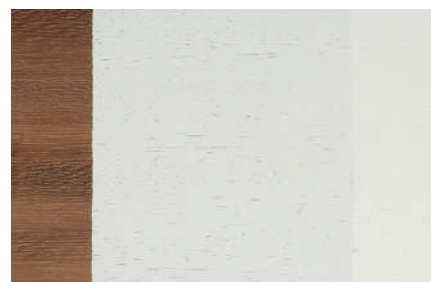
of the wood must be impregnated or treated, to improve the durability of the coating, and it is necessary to seal all the areas where water can enter and cause tannins to appear.

Specific anti-tannin products recommended by the IRURENA GROUP should always be used.



General varnish
for wood
rich in tannins

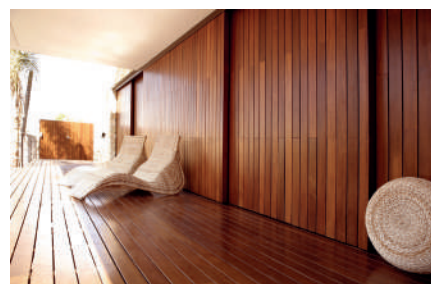
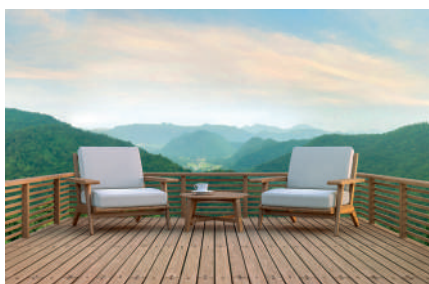
Anti-tannin varnish
for wood
rich in tannins



OTHER ELEMENTS THAT AFFECT THE WOOD

- The diversity of woods in terms of their robustness and how their natural durability varies.
- The quality of the machining (rounded edges, draining grooves in the carpentry,...).
- The design of the construction, which provides the carpentry with more or less protection.

As a preventive measure, it is advisable to carry out periodic inspections to guarantee proper maintenance and repair any defects that may have arisen.



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WOOD COATINGS

SEMI-TRANSPARENT PRODUCTS



SEMI-TRANSPARENT IMPREGNATING PRODUCTS

IRUXIL W-I

APPLICATION



DRY IN



60 min.

CLEAN WITH



H₂O

RECOAT



2-4 h.

VISCOSITY FORD CUP 4



11 sec.

SPREAD RATE



8- 13 m²/l.



WATER-BASED



5 litres
20 litres

2 x 5 liters

Water-based protective primer with biocides for the treatment of wood, intended to protect and embellish any type of wood, both indoors and outdoors.

MAIN FEATURES:

- Insecticide / fungicide protection.
- Effective outdoors.
- Great colour stability. Contains transparent iron oxide as a UV filter.
- Great elasticity.
- Quick drying.

DILUTING:

THINNER H-100.

COLOURS:



500
NATURAL



510
PINWOOD



520
TEAK



530
OAK



540
CHESTNUT



550
WALNUT



560
DARK WALNUT



570
MAHOGANY



580
EBONY



ARE YOU GOING TO APPLY THE IMPREGNATING PRODUCT ON PINE WOOD?
USE THE **SPECIAL CONIFERS**



SPECIAL FOR
CONIFERS / PINWOOD

IRUXIL W-I

MAIN FEATURES:

- full coverage power avoiding greying.
- Great colour stability.
- Great elasticity and adherence to wood.
- Quick drying even on tropical woods.
- * Optional Crosslinker R-501 for better adherence.

DILUTING:

THINNER H-100.

COLOURS:



DO YOU WANT TO USE A MORE ENVIRONMENTALLY FRIENDLY PRIMER?
USE **BIOCIDE FREE IRUXIL WI**



BIOCIDE FREE

IRUXIL SBI

MAIN FEATURES:

- Effective outdoors.
- Great colour stability. Contains transparent iron oxide as a UV filter.
- Great elasticity.
- Quick drying.

DILUTING:

THINNER H-100.

COLOURS:



DO YOU NEED AN IMPREGNATING PRODUCT FOR A STRUCTURE?
USE THE **SPECIAL IMPREGNATING PRODUCT FOR STRUCTURES (EST)**



STRUCTURES

IRUXIL SBI EST

MAIN FEATURES:

- Apply with impregnating machines with brush rollers and then dip.
- Full coverage power avoiding greying.
- Effective protection against atmospheric elements (weather-sunlight).
- Great colour stability.
- Great elasticity and adherence to wood (no cracking).
- Quick drying even on tropical woods.
- Optional Crosslinker R-501 for better adherence.

DILUTING:









THINNER H-100.

COLOURS:



SEMI-TRANSPARENT BASE COAT 1 COMPONENT

IRUXIL PRIMER SBF

APPLICATION 	DRY  60 min.	CLEAN WITH  H ₂ O	RECOAT  2-4 h.	BROOKFIELD VISCOSITY  1200 cps	SPREAD RATE  8- 10 m ² /l.	 WATER-BASED	 5 litres 20 litres 2 x 5 liters
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One-component base coat.

For outdoor application, it must be applied on a wooden substrate previously impregnated with **IRUXIL WI Colour**.

MAIN FEATURES:

- Spray or brush application with good anti-run power.
- Excellent for sanding.
- Great elasticity and adherence to wood.
- Great transparency.
- Quick drying.

DILUTING:

THINNER H-100.

COLOURS:



COLORLESS
SBF-700



SEMI-TRANSPARENT BASE COAT 2 COMPONENTS

IRUXIL PRIMER 2K SBF

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

BROOKFIELD VISCOSITY



1200 cps

SPREAD RATE



8- 10 m²/l.



WATER-BASED



5 litres
20 litres

2 x 5 litres

Two-component system base coat.

For outdoor application, it must be applied on a wooden substrate previously impregnated with **IRUXIL WI Colour**.

MAIN FEATURES:

- 10:1 with Crosslinking R-403.
- Excellent efficiency in blocking extractives in woods such as larch, cherry wood, oak, chestnut, iroko, pine knots.
- Great elasticity and adherence to wood.
- It can be used with Iruxil WI, 5%, to improve outdoor durability.

DILUTING:

THINNER H-100.

COLOURS:







COLORLESS
SBF-708



SEMI-TRANSPARENT FINISHES

BRUSH, AEROGRAPHY AND AIRMIX

IRUXIL SBA

APPLICATION 	DRY  60 min.	CLEAN WITH  H ₂ O	RECOAT  2-4 h.	BROOKFIELD VISCOSITY  2000-20000 cps	SPREAD RATE  6-7 m ² /l.	 WATER-BASED	 0.75 litres 5 litres 20 litres  6 x 0.75 litres 2 x 5 litres
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Single component finish.
For greater durability, it must be applied on a wooden substrate previously impregnated with **IRUXIL W-I Colour.**

MAIN FEATURES:

- Great elasticity and adherence to wood.
- Cement stain resistance.
- Quick drying even on tropical woods.
- Effective protection against atmospheric elements (outdoor weather).
- Contains UV filter.

FINISH:

MATTE AND SEMI-MATTE

* *Check availability in other glosses.*

DILUTING:

THINNER H-100.

COLOURS (BRUSH AND AEROGRAPHY):



COLOURS (VERTICAL AND AIRMIX):



SEMI-TRANSPARENT FINISHES AIRLESS

IRUXIL SBA-TIX

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



2 h.

BROOKFIELD VISCOSITY



30000 cps

SPREAD RATE



5-6 m²/l.



WATER-BASED



5 litres
20 litres



2 x 5 litres

Single component thixotropic finish

designed for the industrial
finishing of exterior
carpentry.

MAIN FEATURES:

- Application with airless spray guns. Excellent anti-run power.
- Great elasticity and adherence to wood.
- Fast drying and good stacking strength, even in tropical woods.
- Effective protection against atmospheric elements (outdoor weather).
- Contains UV filter.

DILUTING:

THINNER H-100.

FINISH:

MATT AND SEMI-MATT

* *Check availability
in other glosses.*

COLOURS:



SBA-6000
NATURAL TIX



SBA-6001
COLOURLESS TIX



ACCORDING
TO SAMPLE



SEMI-TRANSPARENT FAÇADE FINISH

IRUXIL SBA-XTRM

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

BROOKFIELD VISCOSITY



3000 cps

SPREAD RATE



5-8 m²/l.



WATER-BASED



5 litres
20 litres



2 x 5 litres

Two-component finishes, specially designed to protect exterior woods exposed to **extreme weather conditions** (snow, ice, sun...), with UV filters for high durability.

MAIN FEATURES:

- Product 2K: 2.5% in volume with R-501.
- Effective protection against atmospheric elements (outdoor weather).
- **Extra UV absorbers.**
- Great elasticity and adherence to wood (no cracking) and mineral substrates.
- Quick drying even on tropical woods.

DILUTING:

THINNER H-100.

FINISH:

MATT AND SEMI-MATT

COLOURS:



6720
TEAK

6730
OAK

6740
CHESTNUT

6750
WALNUT



PIGMENTED PRODUCTS

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WOOD COATINGS



PIGMENTED IMPREGNATING PRODUCTS

IRUXIL W-I

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

VISCOSITY FORD CUP 4



14-16 sec.

SPREAD RATE



9-14 m²/l.



WATER-BASED



5 litres
20 litres



2 x 5 litres

Pigmented protective **primer** formulated with **anti-tannin resins**.

MAIN FEATURES:

- Apply with spray, brush, dipping flow-coating.
- Provides excellent penetration power due to its low viscosity and low solids content.
- Effective on woods with tannins such as: oak, chestnut, iroko, etc.
- Provides both great elasticity and adherence to wood (no cracking).
- Resistance to blue fungus and woodworm.
- Quick drying even on tropical woods.

DILUTING:

THINNER H-100.

COLOURS:



WHITE
598



ACCORDING
TO SAMPLE



PIGMENTED BASE COAT 1 COMPONENT

IRUXIL PRIMER SBF

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

BROOKFIELD VISCOSITY



8000-12000 cps

SPREAD RATE



9-12 m²/l.



WATER-BASED



5 litres
24 kilos



2 x 5 litres

One-component
pigmented base coat.

MAIN FEATURES:

- Spray gun application with good anti-run power.
- Excellent for sanding.
- Great elasticity and adherence to wood.
- Fast drying and good stacking strength, even on tropical woods.

DILUTING:

THINNER H-100.

COLOURS:



WHITE
SBF-728

BASE COAT 2 COMPONENTS

IRUXIL PRIMER 2K SBF ANTI-TANINS

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4-6 h.

BROOKFIELD VISCOSITY



600 cps - Mix: 1200 cps

SPREAD RATE



9-12 m²/l.



WATER-BASED



5 litres
24 kilos



2 x 5 litres

Two-component
pigmented base coat.

MAIN FEATURES:

- 10:1 with Crosslinking R-403.
- Excellent efficiency in blocking tannins in woods such as larch oak, chestnut, iroko, pine knots.
- Great elasticity and adherence to wood.
- Excellent outdoor durability.

DILUTING:

THINNER H-100.

COLOURS:











WHITE
SBF-727

PIGMENTED FINISHES

BRUSH, AEROGRAPHY AND AIRMIX

IRUXIL SBAE

APPLICATION 	DRY  60 min.	CLEAN WITH  H ₂ O	RECOAT  4 h	BROOKFIELD VISCOSITY  4000 cps	SPREAD RATE  5-7 m ² /l.	 WATER-BASED	 5 litres 24 kilos 2 x 5 litres
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Single-component pigmented finish.

MAIN FEATURES:

- Effective protection against atmospheric elements (outdoor weather).
- Great elasticity and adherence to wood(no cracking) and mineral substrates.
- Quick drying even on tropical woods.

DILUTING:

THINNER H-100.

FINISH:

MATT AND SEMI-MATT

* Check availability in other glosses.

COLOURS:

 WHITE SBAE-6006










 ACCORDING TO SAMPLE



PIGMENTED FINISHES

AIRMIX AND AIRLESS

IRUXIL SBAE - TIX

APPLICATION	DRY	CLEAN WITH	RECOAT	BROOKFIELD VISCOSITY	SPREAD RATE		
	 60 min.	 H ₂ O	 4 h	 15000 cps	 4-6 m ² /l.	WATER-BASED	5 litres 24 kilos
							 2 x 5 litres

Single component pigmented thixotropic finish

MAIN FEATURES:

- Effective protection against atmospheric elements (outdoor weather).
- Great elasticity and adherence to wood(no cracking) and mineral substrates.
- Quick drying even on tropical woods.

DILUTING:

THINNER H-100.

FINISH:

MATT AND SEMI-MATT

* Check availability in other glosses.

COLOURS:



SPECIAL PRODUCTS

WOODEN FLOORING



IRUXIL DECK

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

**VISCOSITY
FORD CUP 4**



12 sec.

SPREAD RATE



12-16 m²/l.



WATER-BASED



0.75 litres

4 litres

20 litres

6 x 0.75 litres

2 x 4 litres

One-component primer specially designed for the application of outdoor decking.

MAIN FEATURES:

- Easy to apply with a brush or short nap roller.
- Effective protection against atmospheric elements (outdoor weather).
- Water repellent.
- Nourishes the wood.
- Good elasticity and adhesion.
- High colour fastness to the UV action of the sun.
- Fast drying on tropical woods.

OPTIONAL

For non-slip treatment, finish with an extra coat of *IRUXIL DECK 490 COLOURLESS NON-SLIP.

DILUTING:

THINNER H-100.

FINISH:

SEMI-TRANSPARENT.

COLOURS:



SPECIAL PRODUCTS

WOODEN FLOORING

PROFESIONAL DECK

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

VISCOSITY FORD CUP 4



22 sec.

SPREAD RATE



10-15 m²/l.



WATER-BASED



5 litres



2 x 5 litres

Two-component product specially designed for varnishing **high-traffic outdoor decking**.

MAIN FEATURES:

- 10:1 with Hardener SK.
- Effective protection against atmospheric elements (weather sunlight).
- Great colour stability.
- Great stability and adherence to wood (no cracking).
- Quick drying even on tropical woods.

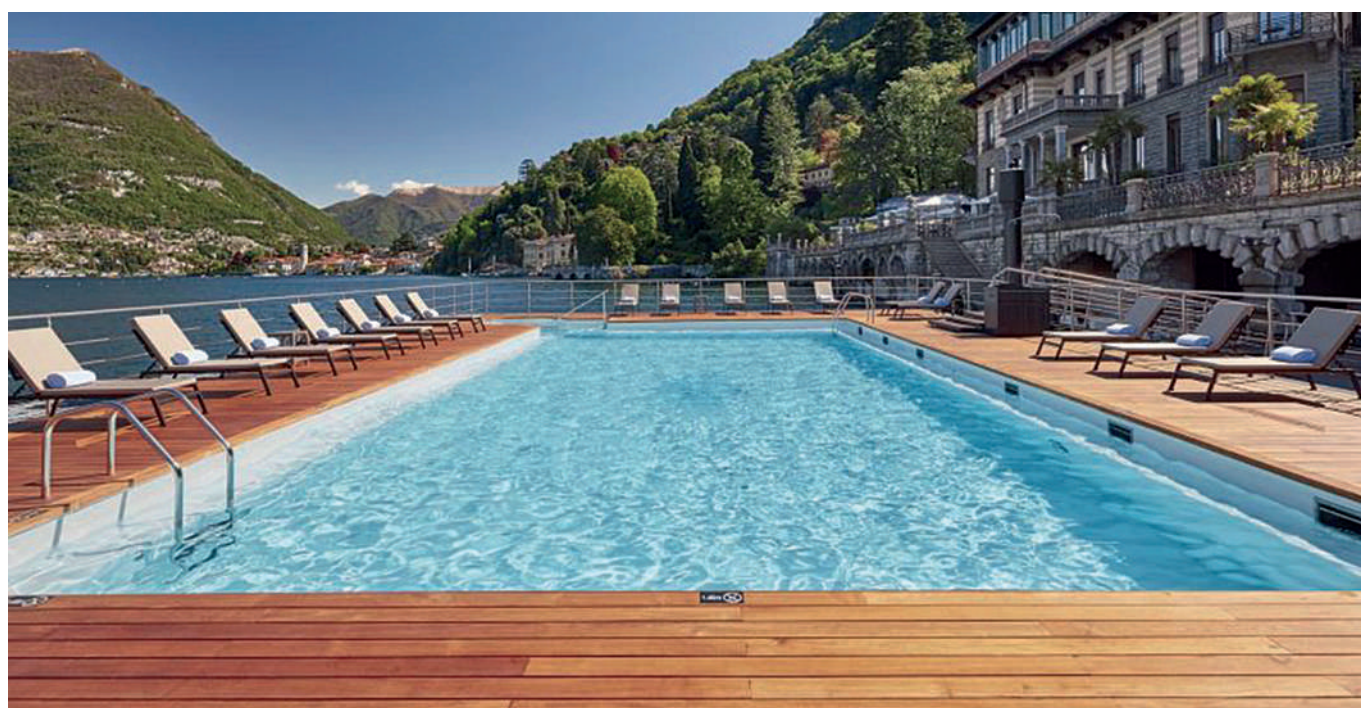
DILUTING:

THINNER H-100.

FINISH:

SEMI-TRANSPARENT.

COLOURS:



SPECIAL PRODUCTS

BIO LASUR FINISH



IRUXIL BIO

APPLICATION



DRY



60 min.

CLEAN WITH



H₂O

RECOAT



4 h

**VISCOSITY
FORD CUP 4**



90-110 sec.

SPREAD RATE



5-8 m²/l.



WATER-BASED



0.75 litres
4 litres
20 litres



6 x 0.75 litres
2 x 4 litres

One-component BIO finish lasure coloured with specially selected iron oxides. Its purpose is to protect and embellish any type of wood, whether indoors or outdoors.

MAIN FEATURES:

- Contains > 80% renewable sources.
- Very easy to apply with brush, short nap roller and/or spray gun.
- Effective protection against atmospheric elements (outdoor weather).
- Great elasticity and adherence to wood (no cracking).
- Quick drying even on tropical woods.

DILUTING:

THINNER H-100.

FINISH:

SEMI-TRANSPARENT.
GLOSSY FINISH

COLOURS:



490
COLORLESS

420
TEAK

430
OAK



440
CHESTNUT

450
WALNUT

460
DARK
WALNUT



ACCESSORIES

CROSSLINKERS

CROSSLINKER R-501

Reactive product to combine with primers and one-component finishes Improves wet adhesion, resistance to scratching, water, alcohol, grease, and also improves tannin blocking. **Dosis 2.5%**. It has a long pot life. Its addition can reduce the viscosity of IRUXIL SBA topcoats.

Pot life of the mixture: 8 hours

CROSSLINKER R-502

Reactive product to combine with primers and one-component finishes Improves wet adhesion, resistance to scratching, water, alcohol, grease. Low toxicity level compared to Crosslinker R-501. **Dosage to be used 5%**. It has a long pot life. Its addition can reduce the viscosity of IRUXIL SBA finishes.

Pot life of the mixture: 8 hours

CROSSLINKER R-403

Reactive product to be combined with the indicated 2-component products. Provides very good tannin blocking, improved wet adhesion, scratch and water resistance, alcohol and grease resistance. **Usual dosage 10%**.

Pot life of the mixture: 2 hours.

HARDENER SK

Reactive product to be combined with the indicated 2-component floor products. Mild odour Greater elasticity than R-403. Provides very good tannin blocking, improved wet adhesion, scratch and water resistance, alcohol and grease resistance. **Usual dosage 10%**.

Pot life of the mixture: 2 hours.

AUXILIARY MATERIALS

ADDITIVE U-154 thickener

Additive to increase viscosity. Incorporate easily using mechanical agitation. Dosage 0.5-2%

ADDITIVE U-256 water-based anti-silicone

Water-based anti-silicone additive Usual dosage 1%.

SOLVENT D-295 cleaning

Special solvents for cleaning machinery.

SOLVENT S-133

Solvent for cleaning coniferous resins (pine, spruce...)

VARNISHING PROCESSES



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EXTERIOR CARPENTRY (DOORS, WINDOWS...) SEMI-TRANSPARENT

PROCESS:

IMPREGNATING PRODUCTS 1 coat of **IRUXIL W-I-5XX Colour**

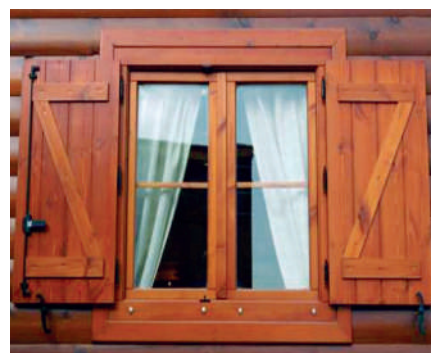
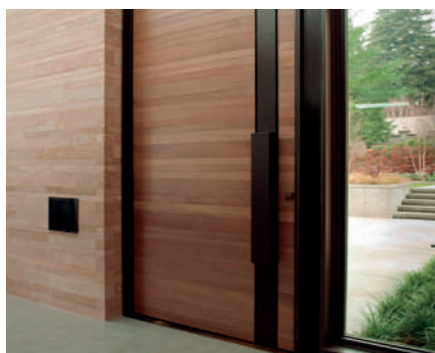
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FINISH: 2 coats of **IRUXIL SBA ***

* Thixotropic versions available.

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY 80-120 gr/m ² of IRUXIL W-I-5XX Colour.
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 1- 2 hours. Light sanding or wire brushing between coats.
BASE COAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-700. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-708. (10:1 with R-403).
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 1- 2 hours. Light sanding or wire brushing between coats.
FINISH	APPLY 1- 2 coats of 150-180 gr/m ² of IRUXIL SBA. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat or IRUXIL W (same shade).
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	If a significant improvement in process performance is desired, the addition of Crosslinker R-501 (2.5%) or Crosslinker R-502 (5%) on each of the coats is recommended. Except the undercoat.



EXTERIOR CARPENTRY (DOORS, WINDOWS...)

PIGMENTED

PROCESS:

IMPREGNATING PRODUCTS: 1 coat of **IRUXIL W-I-598 White**

+

FINISH: 1- 2 coats of **IRUXIL SBAE ***

* Colours available as per sample (RAL/NCS).

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 80-120 gr/m ² of IRUXIL W-I-598 WHITE.
DRY	Under normal conditions, ≈ 3- 4 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
UNDERCOAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-728. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-727. (10:1 with R-403).
DRY	Under normal conditions, 1- 2 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 1- 2 coats of 150-180 gr/m ² of IRUXIL SBAE. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	If a significant improvement in process performance is desired, the addition of Crosslinker R-501 (2.5%) or Crosslinker R-502 (5%) on each of the coats is recommended. Except the undercoat.

OTHER SUBSTRATES PVC, POLYESTER.

Not very absorbent substrates No need to use impregnating products. Two-component processes are recommended for good wet adhesion. Please check

PROCESS:

2/3 coats of IRUXIL SBAE with 2.5% R-501.



FACADES

SEMI-TRANSPARENT

PROCESS:

IMPREGNATING PRODUCTS: 1 coat of **IRUXIL W-I-5XX Colour+ R-501**
+

FINISH: 2 coats of **IRUXIL SBA-XTRM COLOR + R-501**

- * For other colours, please check.
- * Possible to use Crosslinker R-502 (5%) instead of Crosslinker R-501 (2.5%).

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 80-120 gr/m ² of IRUXIL W-I-5XX Colour + 2.5% R-501.
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 1- 2 hours.
UNDERCOAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-700. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-708. (10:1 with R-403).
DRY	Under normal conditions, 1- 2 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: - 2 coats of 150-180 gr/m ² of IRUXIL SBA-XTRM + 2.5% R-501. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.



FACADES PIGMENTED

PROCESS:

IMPREGNATING PRODUCTS: 1 coat of **IRUXIL W-I-598 White+ R-501**
+

FINISH: 1- 2 coats of **IRUXIL SBAE * + R-501**

* Colours available as per sample (RAL/NCS).

* Possible to use Crosslinker R-502 (5%) instead of Crosslinker R-501 (2.5%).

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 80-120 gr/m ² of IRUXIL W-I-598 WHITE + 2.5% R-501.
DRY	Under normal conditions, ≈ 3- 4 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
UNDERCOAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-728. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-727. (10:1 with R-403).
DRY	Under normal conditions, 1- 2 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 2 coats of 150-180 gr/m ² of SBA SBAE-80XX + 2.5% R-501. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.



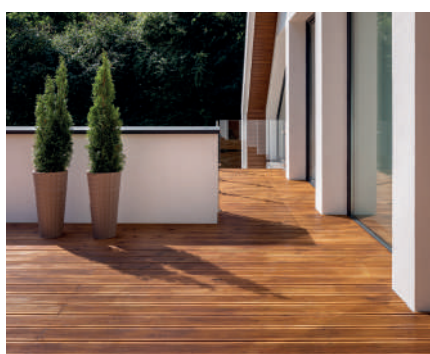
EXTERIOR DECKING SEMI-TRANSPARENT

PROCESS:

LASURE PRIMER 2- 3 coats of **IRUXIL DECK Colour***

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	Wood must be sanded beforehand and any dust and dirt removed, and free of any coats of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 60-80 gr/m ² of IRUXIL DECK.
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 2 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 60-80 gr/m ² of IRUXIL DECK.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of IRUXIL DECK.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	For non-slip treatment, finish with an extra coat of IRUXIL DECK 490 COLOURLESS NON-SLIP.



OUTDOOR DECKING (HEAVY TRAFFIC) SEMI-TRANSPARENT

PROCESS:

LASURE TOPCOAT: 3 coats of **DECK PROFESSIONAL Colour**
+ (10:1 volume with Hardener SK)

STEP-BY-STEP PROCESS

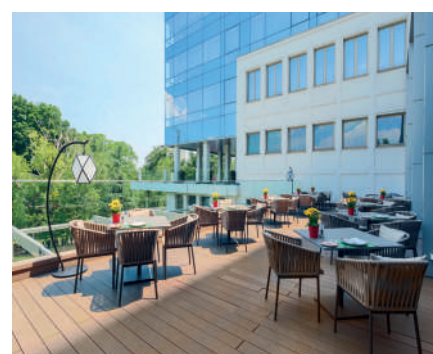
PREPARING THE SUBSTRATE	Wood previously sanded and suitably cleaned of dirt. Applicable on all types of wood suitable for exterior decking (Ipe, Cumaru, treated pine, etc.) Avoid the use of wood that is not very durable. The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 60-80 gr/m ² of DECK PROFESSIONAL (10:1 with Hardener SK).
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 2 hours. Deep sanding and wire brushing between coats.
FINISH	APPLY: 60-80 gr/m ² of DECK PROFESSIONAL (10:1 with Hardener SK).
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of DECK PROFESSIONAL.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.

OTHER SUBSTRATES COMPOSITE.

WPC, also called composite wood, technical wood or technological wood, mixes natural wood with polymers to obtain a composite with more durability and strength than traditional wood. Please check

PROCESS:

Same process as the DECK PROFESSIONAL Colour.



OUTDOOR FURNITURE SEMI-TRANSPARENT

PROCESS:

PRIMER: 1 coat of **IRUXIL W-I-5XX Colour**

+

FINISH: 2-3 coats of **IRUXIL SBA ***

* Thixotropic versions available.

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 80-120 gr/m ² of IRUXIL W-I-5XX Colour.
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 1- 2 hours. Light sanding or wire brushing between coats.
UNDERCOAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-700. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-708. (10:1 with R-403).
DRY	Under normal conditions, ≈ 60 min.
SANDING AND REPAINTING	Under normal conditions, 1- 2 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 1- 2 coats of 150-180 gr/m ² of IRUXIL SBA. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat or IRUXIL W (same shade).
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	If a significant improvement in process performance is desired, the addition of Crosslinker R-501 (2.5%) or Crosslinker R-502 (5%) on the IRUXIL SBA top coat is recommended.



OUTDOOR FURNITURE

PIGMENTED

PROCESS:

PRIMER: 1 coat of **IRUXIL W-I-598 White**

+

FINISH: 1- 2 coats of **IRUXIL SBAE ***

* Colours available as per sample (RAL/NCS).

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
IMPREGNATING PRODUCTS	APPLY: 80-120 gr/m ² of IRUXIL W-I-598 WHITE.
DRY	Under normal conditions, ≈ 3- 4 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
UNDERCOAT (OPTIONAL)	OPTION 1: STANDARD BASE COAT 1 coat of 100 gr/m ² of IRUXIL SBF-728. OPTION 2: ANTI-TANINS BASE COAT: 1 coat of 100 gr/m ² of IRUXIL PRIMER 2K SBF-727. (10:1 with R-403).
DRY	Under normal conditions, 1- 2 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 1- 2 coats of 150-180 gr/m ² of IRUXIL SBA / SBAE. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	If a significant improvement in process performance is desired, the addition of Crosslinker R-501 (2.5%) or Crosslinker R-502 (5%) on the IRUXIL SBA top coat is recommended.



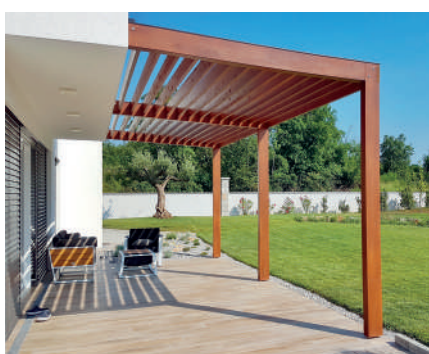
STRUCTURES SEMITRANSSPARENT

PROCESS:

FINISH: 2 coats of **IRUXIL SBI-EST**

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
PRIMER	APPLY: 60-80 gr/m ² de IRUXIL SBI-EST.
DRY	Under normal conditions, 60 min.
SANDING AND REPAINTING	Under normal conditions, 2 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 60-80 gr/m ² of IRUXIL SBI-EST.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1 coat of IRUXIL - SBI-EST.
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL	If a significant improvement in process performance is desired, the addition of Crosslinker R-501 is recommended.



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IRURENA

WOOD COATINGS

OTHER PROCESSES

AUTOCLAVE TREATED WITH SALTS, ACETYLATED WOOD FIBRE CEMENT AND PHENOLIC SYSTEMS

PROCESS:

1 coat of **IRUXIL SBI Colour+ R-501**

+

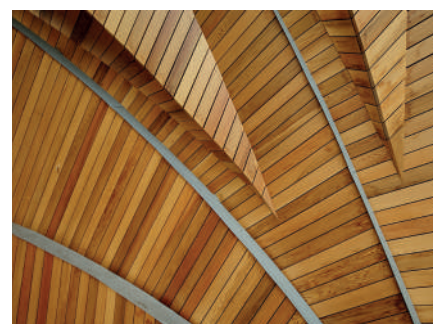
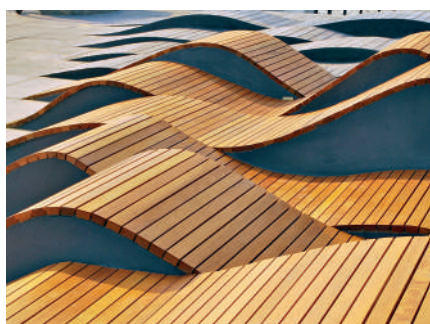
2-3 coats of **IRUXIL SBA/ SBAE**

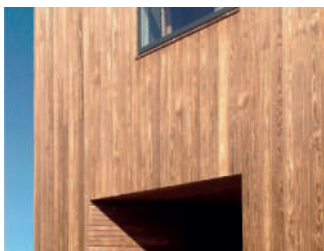
- * Generally the same processes can be used as for other timbers.
Given the variability of manufacturers, we recommend using 2.5% R-501 in the primer to ensure adhesion.
- * Possible to use Crosslinker R-502 (5%) instead of Crosslinker R-501 (2.5%).

STEP-BY-STEP PROCESS

PREPARING THE SUBSTRATE	The wood must be free of dust and dirt, and free of any coat of varnish or paint, to facilitate good penetration and ensure the product adheres well to the substrate. Do not apply to wood with more than 15% of humidity.
PRIMER (OPTIONAL)*	APPLY: 80-120 gr/m ² of IRUXIL SBI + 2.5% R-501.
DRY	Under normal conditions, ≈ 3- 4 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
DRY	Under normal conditions, 1- 2 hours.
SANDING AND REPAINTING	Under normal conditions, 4 hours. Light sanding or wire brushing between coats.
FINISH	APPLY: 1- 2 coats of 150-180 gr/m ² of IRUXIL SBA / SBAE. Sanding and repainting between coats: Under normal conditions, 4 hours light sanding or wire-brushing between coats.
MAINTENANCE (SLIGHT DAMAGE)	Surface sanding and 1-2 coats of topcoat or IRUXIL W (same shade).
MAINTENANCE (FULL RENOVATION)	Remove coat and repeat process.
OPTIONAL*	If a significant improvement in process performance is desired the addition of Crosslinker R-501 (2.5%) or Crosslinker R-502 (5%) on the IRUXIL SBA/ SBAE top coat is recommended.

* See the necessary process for each substrate on the next page.





HEAT TREATED WOOD

Heat-treated **wood is** a product that has undergone heat treatment, which causes changes in the internal structure of the wood. This treatment darkens the colour of the wood, makes it lighter, increases the hardness and reduces the moisture content of the wood to $6\pm 2\%$. Resistance to fungi, insects and humidity is exponentially increased, which improves durability. Another major advantage is the increased timber stability. Swelling and timber shrinkage are reduced.

Necessary process: (Impregnating product+ R-501) + (Topcoat)



AUTOCLAVE TREATED TIMBER WITH SALTS

Autoclave treatment introduces preservatives into the wood by means of vacuum autoclaving (pressure or double vacuum autoclaving). The aim of this treatment is to increase durability against xylophagous organisms. The application of autoclave-treated wood is often used for outdoor applications, in construction, street furniture, fencing, posts, guardrails, piers, bridges, carpentry, etc.

Necessary process: (Impregnating product+ R-501) + (Topcoat)



ACETYLATED WOOD

Acetylated wood is the result of a **chemical reaction** chemical reaction due to autoclave treatment that impregnates the wood with acetic anhydride. This reaction generates **timber which is entirely stable** and **extremely longlasting**. **Acetylated wood**, due to its characteristics, is suitable for cladding, flooring, carpentry, urban furniture and construction, among many other applications.

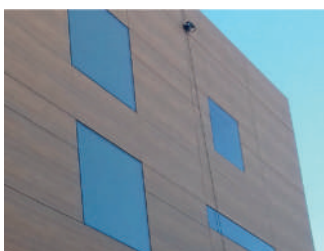
Necessary process: (Impregnating product+ R-501) + (Topcoat)



FIBRE CEMENT

Fibre cement is a popular composite building material used for cladding the facades of all types of buildings. Its structural basis is cement. Various types of wood fibre particles reinforce the material from which fibre cement is made. Fibre cement panels have the following composition: Cement 75%, Wood fibre 15% and Additives, 10%.

Process required: (Finish + R-501)



PHENOLIC BOARD

As the name suggests, it is a plywood **board** in which phenolic glue has been used to construct it. Phenolic materials and boards are in great demand today for demanding applications. Especially those that have to do with exposure to water and humidity. It is understood that a phenolic board is suitable for outdoor use. However, the fact that phenolic glue has been used is not sufficient for outdoor use, perimeter sealing is necessary.

Process required: (Finish + R-501)

COLOUR CHART

AN INFINITY OF COLOURS
AT YOUR DISPOSAL



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WOOD COATINGS



SEMI-TRANSPARENT

These are the most common colours available on the market:



NATURAL



PINEWOOD



TEAK



OAK



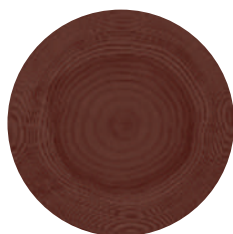
CHESTNUT



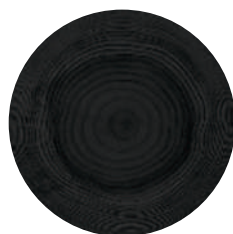
WALNUT



DARK WALNUT



MAHOGANY



EBONY

If a different colour is required, pigment bases and pastes must be used to create the desired colour. The following references are the transparent bases with which different wood tones can be obtained.

BASES OF PRIMER PRODUCTS

Aqueous Impregnating Transparent Base ITE



1 l.
5 l.



6
2

BASES OF TOPCOAT PRODUCTS

Aqueous Exterior Transparent Base BTE



0.85 kg.
4.25 kg.
17 kg.



6
2
-

PIGMENT PASTES



1 Kg.



6

- URAPAST W-0013 Rust Yellow
- URAPAST W-0032 Rust Red
- URAPAST W-971 Black
- URAPAST W-961 Violet

PIGMENTED

CREATE YOUR BESPOKE COLOUR



kolore
SISTEMA TINTOMÉTRICO





In order to achieve colour durability outdoors, it is important to choose a suitable colour as well as to take into account other variables such as, for example, the type of colourant or the components of the paint base.

These charts include colours that withstand continuous light, rain, temperature changes, etc., guaranteeing the durability of the wood.

With the KOLORE tintometric system you can produce any colour from the RAL and NCS charts. All you have to do is select the right primer or base and mix it with the pigment pastes to get your perfect coating on the spot.

BASES OF PRIMER PRODUCTS

Aqueous Impregnating Transparent Base ITE
Aqueous Impregnating WHITE Base ITE

	1 l. 5 l.		6 2
	1 l. 5 l. 20 l.		6 2 -

BASES OF TOPCOAT PRODUCTS

Aqueous Exterior Transparent Base BTE
Aqueous Exterior White Base BBE

	0.85 kg. 4.25 Kg. 17 Kg.		6 2 -
	1 Kg. 5 Kg. 20 Kg.		6 2 -
	1 Kg.		6

PIGMENT PASTES

- URAPAST W-1026 White
- URAPAST W-913 Rust Yellow
- URAPAST W-914 Medium Yellow
- URAPAST W-915 Lemon Yellow
- URAPAST W-920 Orange
- URAPAST W-930 Deep Red
- URAPAST W-933 Rust Red
- URAPAST W-934 Magenta
- URAPAST W-950 Green
- URAPAST W-960 Blue
- URAPAST W-961 Violet
- URAPAST W-971 Black



PICTOGRAMS



FLOW COATING



DIPPING



SPRAYER



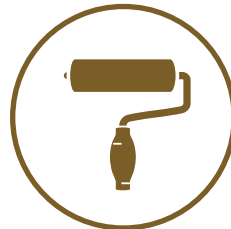
SPRAY GUN:



SPRAYGUN



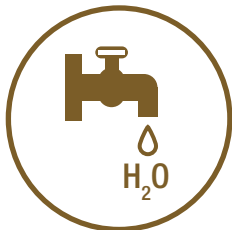
BRUSH



ROLLER



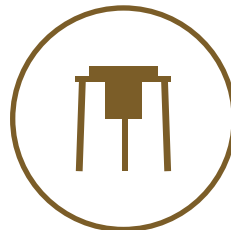
DRY



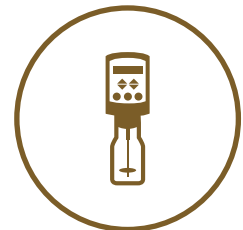
CLEAN WITH



RECOAT



**VISCOSITY
FORD CUP 4**



**BROOKFIELD
VISCOSITY**



SPREAD RATE

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— WOOD COATINGS —



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