



# Ultimate Protection UV+

*Hydro-oils for exterior*

# Ultimate Protection<sup>UV+</sup>

*Shield the wood, say goodbye to sanding.  
Outdoor long-lasting solutions for deckings,  
garden furniture, claddings and watercrafts.*

The Ultimate Protection<sup>UV+</sup> systems are smart solutions to improve wood longevity. The water-based Ultimate Protection<sup>UV+</sup> range is created to ward off the attacks from the most dangerous atmospheric and biological agents, thus revolutionising the concepts of care and maintenance.

Thanks to UV+ Protection and Radical Block technologies, the Ultimate Protection<sup>UV+</sup> oils fix the original beauty of outdoor deckings, garden furniture, claddings and watercrafts over time. Thanks also to its Self-Consuming formula, maintenance and restoration, which are normally complex and demanding procedures, finally become quick operations, as sanding is no more necessary.

# Main advantages of Ultimate Protection<sup>UV+</sup> solutions

- They are self-consuming and do not peel off
- They don't need sanding
- They shield the wood from solar radiation
- They impede fungi, moulds and bacteria from proliferating
- They resist to water
- They defend the wood against salty sea mist
- They protect the wood from abrasions and foot traffic
- They nourish the wood, enhancing its original features

Ultimate Protection<sup>UV+</sup> solutions are attentive to the nature. The water-based formulas reduce VOC emissions and are odourless.



# Ultimate Protection<sup>UV+</sup>

*The high technology inside Renner Italia laboratories*

Renner Italia laboratories have a mission: to preserve the beauty of wooden objects over time. Ultimate Protection<sup>UV+</sup> is the leading edge of the research in the field of coatings for exterior. A heap of technology attentive to the environment and focused on the latest requirements of painters and architects.



## Radiation absorbers

The special UV+ Protection absorbers inside the Ultimate Protection<sup>UV+</sup> systems stop the ultraviolet radiations on the surface, impeding them to penetrate inside the objects and to attack the lignin.

The lignin is one of the main wood components. In hardwoods, this polymer is almost 20% of the total mass; a percentage that reaches 30% in softwoods. If not sufficiently counteracted, the UV rays action transforms the lignin from a compact into a water-soluble substance. When destabilised by UV rays and in prolonged contact with rain, the lignin is inevitably eroded. In these conditions, the coating cracks and the wood turns grey. Thanks to the UV+ Protection technology, Ultimate Protection<sup>UV+</sup> absorbs UV light, does not crack and keeps the wood alive.



## An extra barrier against degradation

The sun puts the endurance of wood to the test. Especially during the long and hard exposures to the south-west. The Radical Block scavengers intervene when the persistent stress caused by the UV radiation punches the surface, even if only minimally. It is thus a second protective barrier, pro-

longing the life of timber, treated with Ultimate Protection<sup>UV+</sup>.



## No more sanding

The traditional coating for exterior is a film-forming product. It creates a continuous covering layer. Because of this continuity feature, over time the coating tends to crack, in smaller or bigger chinks. During the resto-

ring operation, the peeling is a negative feature of the coatings. The paint deep removal of a flooring, a piece of furniture or of a cladding is a burdensome activity. Thanks to their Self-Consuming technology, the Ultimate Protection<sup>UV+</sup> oils prevent the peeling and are self-consuming. These alkyd-based drying hydro-oils, in fact, create a homogeneous, but not film-forming, thin layer. All this to the benefit of the users who must not sand during the restoration.

# HIGH-ABSORPTION HYDRO-OILS

They're suitable both for softwoods and hardwoods; they boast a special protection against UV rays; they deeply penetrate and protect the wood structure; they are self-consuming, do not peel off and allow to renew the treatment without sanding.

## YS C100/XXX

*hydro-oil for exterior with impregnating effect*

*Application: brush, dipping, flow-coating and spray*

## YS C110/XXX

*hydro-oil for exterior with impregnating wax effect*

*Application: brush, dipping, flow-coating and spray*

# FAST-DRYING HYDRO-OILS

They're suitable both for softwoods and hardwoods; they are self-consuming, do not peel off and allow to renew the treatment without sanding.

## YS M303

*high-build hydro-oil for garden furniture*

*Application: brush and Spray*

## YS M305

*natural effect hydro-oil for exterior*

*Application: brush and Spray*

## YS M307

*hydro-oil for decking*

*Application: brush and Spray*

## YS M339

*hydro-oil flat look*

*Application: brush and Spray*



Hydro-oil  
with UV absorbers



Hydro-oil  
with free radical scavengers



Anti-peeling and  
self-consuming hydro-oil



Product resistant  
to cold liquids



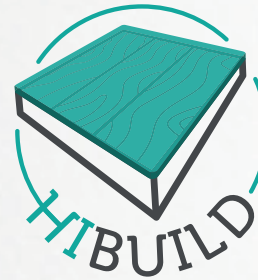
Fast-drying product also  
in closed spaces



Product is stackable  
within 24 hours



Product with high penetration  
also in hardwood



Product  
with high-build



Product with  
high resistance to foot traffic



Biocide primer



Product without  
hydrocarbons derivatives



Product guaranteeing valuable  
finishing effects and extreme  
resistance to UV rays



Oil with high friction coefficient  
both on wet and dry surfaces.  
This product was tested by Catas

# Woods

Ultimate Protection<sup>UV+</sup> systems are suitable for every kind of wood.

This catalogue is based on the two biggest families of woods, that are mainly used in exterior, to choose the most suitable system for your specific needs.

## *Hardwood*



bangkirai



chestnut



doussié



garapa



jackfruit wood



iroko



mahogany



niangon



oak



teak

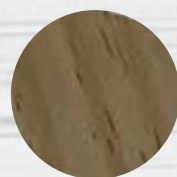


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## *Softwood*



fir



pine



accoya





































# Ultimate Protection<sup>UV+</sup> Index of the systems

- 08 new woods
- 08 deckings
- 09 garden furniture
- 11 silky effect outdoor claddings
- 13 nautical field
- 14 thermo treated woods and claddings Shou Sugi Ban
- 16 woods to be restored
- 16 deckings
- 17 garden furniture
- 18 silky effect outdoor claddings
- 19 nautical field
- 20 woods rich in extractives in light-colour and semi-transparent pigmented systems
- 20 hydro-oils coloration

# DECKINGS

*poolsides, deckings, terraces, walkways, jetties, gangways of beach resorts, restaurants, hotels*

Hardwood / Resistant	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M307 - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray
           			
Hardwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M307 - LIGHT COLOUR	Brush / Spray
	3	YS M307 - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray
          			
Softwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS M307 - COLOURED	Brush / Spray
	2	YS M307 - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray
          			















# GARDEN FURNITURE

*tables, chairs, benches, sunbeds, shelves*












## Hardwood / Resistant

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
2	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray












## Hardwood / Durability Plus

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
3	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray













## Softwood / Durability Plus












COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS M303 (YS M305, YS M339) - COLOURED	Brush / Spray
2	YS M303 (YS M305, YS M339) - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray
























# SILKY EFFECT OUTDOOR CLADDINGS

*living units, cottages, gazebos, pergolas, bathing huts, fences*















Hardwood / Resistant	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
           			

Hardwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
	3	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
          			

Softwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS M303 (YS M305, YS M339) - COLOURED	Brush / Spray
	2	YS M303 (YS M305, YS M339) - COLOURED	Brush / Spray
          			

# NAUTICAL FIELD

decks, chairs, furniture

Hardwood / Resistant	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray
	           		
Hardwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - DARK COLOUR	Brush / Dipping / Flow-coating
	2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
	3	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray
	          		
Softwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS M303 (YS M305, YS M339) - COLOURED	Brush / Spray
	2	YS M303 (YS M305, YS M339) - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray
	          		

\* It is recommended to use YS M307 for deckings thanks to its anti-slip properties

# THERMO-TREATED WOODS AND CLADDING SHOU SUGI BAN

Softwood and hardwood / Resistant	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C110 - COLOURED	Brush / Dipping / Flow-coating/ Spray
	2	YS C110 - COLOURED	Brush / Dipping / Flow-coating/ Spray
	3	YS C110 - COLOURED	Brush / Dipping / Flow-coating/ Spray



Softwood and hardwood / Durability Plus	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
	1	YS C100/--NTR - COLOURED	Brush / Dipping / Flow-coating
	2	YS C100/--NTR - COLOURED	Brush / Dipping / Flow-coating
	3	YS M30X - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray















# DECKINGS

*poolsides, deckings, terraces, walkways, jetties, gangways of beach resorts, restaurants, hotels*

## For all kind of woods - Refresh / Maintenance

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
0	RR1050 Neutral detergent	Spray and cloth
1	YS M307 - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray

## For all kind of woods - Renewer / Restoration

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS C100/--NTR - DARK COLOUR	Brush / Dipping
2	YS M307 - LIGHT COLOUR	Brush / Spray
3	YS M307 - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray













# GARDEN FURNITURE

*tables, chairs, benches, sunbeds, shelves*

## For all kind of woods - Refresh / Maintenance

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
0	RR1050 Neutral detergent	Spray and cloth
1	YS M303 (YS M305, YS M339) - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray



## For all kind of woods - Renewer / Restoration

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS C100/--NTR - DARK COLOUR	Brush / Dipping
2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
3	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray



# SILKY EFFECT OUTDOOR CLADDINGS

*living units, cottages, gazebos, pergolas, bathing huts, fences*

For all kind of woods - Refresh / Maintenance	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
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0	RR1050 Neutral detergent		Spray and cloth
1	YS M303 (YS M305, YS M339) - COLOURED		Brush / Spray



For all kind of woods - Renewer / Restoration	COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
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1	YS C100/--NTR - DARK COLOUR		Brush / Dipping
2	YS M303 (YS M305, YS M339) - LIGHT COLOUR		Brush / Spray
3	YS M303 (YS M305, YS M339) - LIGHT COLOUR		Brush / Spray





# NAUTICAL FIELD

*decks, chairs, furniture*

## For all kind of woods - Refresh / Maintenance

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
0	RR1050 Neutral detergent	Spray and cloth
1	YS M303 (YS M305, YS M339) - COLOURED (option: add 5% of YC M404 hardener)	Brush / Spray



## Hardwood / Durability Plus

COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YS C100/--NTR - DARK COLOUR	Brush / Dipping
2	YS M303 (YS M305, YS M339) - LIGHT COLOUR	Brush / Spray
3	YS M303 (YS M305, YS M339) - LIGHT COLOUR (option: add 5% of YC M404 hardener)	Brush / Spray



COAT	WATER-BASED PROTECTIVE SYSTEM	APPLICATION
1	YI M007*	Brush / Spray
2	YS M30X - COLOURED	Brush / Spray
3	YS M30X - COLOURED	Brush / Spray

*\*The application of two coats of YI M007 can be necessary for woods particularly rich in extractives*

The coloration is fundamental to further increase the durability of Ultimate Protection <sup>UV+</sup> hydro-oils. Pigmented pastes and iron oxides reinforce and extend the action of the UV shield, already contained in the products.

COLORATION	PRODUCT	NOTES
PIGMENTED	EY M690/--CXX Pigmented paste	By means of Color System tinting system of Renner Italia it is possible to reproduce all the shades of RAL, NCS, CS and Chroma ranges, contained in the colour charts for exterior
TINTED	EY M470/--TXX Semi-transparent iron oxide	The use of 50-60% of pastes, contained in the wood stains formulas, allows to obtain the same shade with hydro-oils

*\* Minimum content of color 1%; the transparent product does not ensure durability outdoors*





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