The right product for every application



Tips on use

For success every time

Tools

- High-quality tools significantly improve the finished results
- Brush with natural bristles for solvent-based stains, acrylic brush for water-based products
- Selected Remmers products can also be applied efficiently by spraying with hand-held sprayers

Preparation

- Remove non-load-bearing old coatings
- Sand rough wood and old coatings:
 This improves adhesion of the coating
- Use a dusting brush to remove sanding dust
- The wood must be clean and free of wax and grease
- Put down dust sheets and use masking tape if necessary
- Remove resin galls with a scraper
- Use thinner to wash off resin spots

Application

- All Remmers products should be stirred thoroughly before use so that pigments and binders are evenly distributed
- All Remmers products are ready to use and do not need to be diluted
- Different colours of the same product can be mixed together – different products generally cannot
- Non-resistant exterior (soft)wood should be impregnated before the coating is applied. This step is not necessary when using HK Stain/ Wood Cream. Comprehensive wood preservation is already integrated
- Always apply product in the direction of the grain
- Once dry, apply a second coat
- Observe the application rates: do not apply too much product

Maintenance intervals for stains and opaque paints

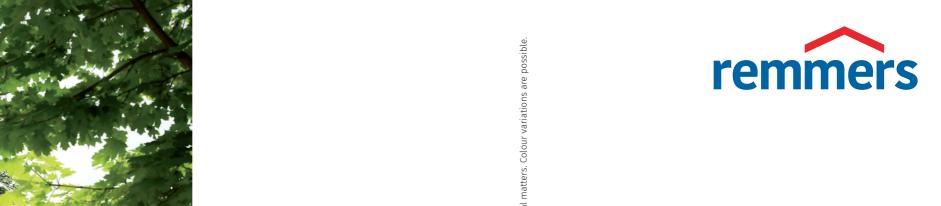
Stains & oils clear, white and hemlock:	Indirect weathering*	Normal direct weathering**	Extreme direct weathering***
■ HK Stain ■ Wood Cream ■ Natural Oil Woodstain [eco]	5 years	1 year	< 1 year
■ Maintenance Oil ■ Universal Oil [eco]	3 years	0.5 years	< 0.5 years
System: Wood Cream clear Long Life Stain UV clear UV+	9 – 11 years	2 – 3 years	1 – 2 years
Stains & oils, pigmented varia	ants:		
■ Maintenance Oil	5 years	1 year	< 1 year
■ Garden Wood Oils [eco]	6 – 8 years	1 – 2 years	< 1 year
■ HK Stain ■ Wood Cream	8 – 10 years	2 – 3 years	1 – 2 years
■ Natural Oil Woodstain [eco]	8 – 10 years	3 – 4 years	2 – 3 years
System: HK Stain Long Life Stain UV	10 – 12 years	4 – 5 years	2 – 3 years
Opaque coatings:			
3in1 Multi-Purpose VarnishOpaque Coating 3in1(Sealing Primer &) Finishing		5 – 8 years	4 – 5 years
■ Oil Opaque Finish [eco]	8 – 10 years	4 – 5 years	3 – 4 years
Renovation of grey wood:			
System: Renovation Primer Long Life Stain UV	12 – 15 years	5 – 8 years	4 – 5 years
System: Renovation Primer Natural Oil Woodstain [eco	·	4 – 5 years	3 – 4 years

* Components protected against precipitation and direct sunlight (e.g. roof soffits)

** Rain and sun can directly attack the wood components (e.g. wood facades)

*** Components are exposed to heavy driving rain and extreme climate stresses







Find your local contact

Remmers GmbH

Bernhard-Remmers-Straße 13 49624 Löningen +49 (0) 54 32/83-0 www.remmers.com ect to change. The current version of the applicable Tecl al contacts: www.remmers.com/remmers-worldwide



FIND.FIX.SYSTEM GUIDE

Wood preservation and finishing

2005/02.22 GB



3in1 wood preservation varnishes for exteriors



HK Stain Solvent-based premium wood stain

- Impregnation, primer and stain
- Protects wood against moisture and UV radiation
- Coating protected against mould and algae
- High solids content provides physical protection against nesting wasps



HK Stain Grey Protect Premium grey stain

- Impregnation, primer and stain
- Protects wood against moisture and UV radiation
- Coating protected against mould and algae
- Even colour in exposed and sheltered areas



Wood Cream Complete protection with just one coat

- Impregnation, primer and stain
- · Protects wood against moisture and UV radiation
- Coating protected against mould and algae



Long life stains for interiors & exteriors



Long Life Stain UV Solvent-based medium-solid stain

- · For all wooden building elements, e.g. facades, windows and doors
- Extreme UV protection: long life
- For long-lasting bright wood: finishing coat of clear UV+
- Clear UV+ for exterior wood



Natural Oil Woodstain [eco] Stain made from renewable raw materials

- For interior and exterior wood
- e.g.: summerhouses, facades, carports and windows Protects the wood against UV radiation and moisture
- Made from at least 80% renewable raw materials



Renovation Primer Primer for brightening weathered wood

- Moisture regulating
- Fast drying Easy to apply – good coverage
- Repels water
- Final coat: Long Life Stain UV

*Use biocides safely. Always read the label and product information before use.





Interior & exterior finishes



Sealing Primer Primer for light topcoats and lacquers

- Prevents yellow discolouration
- Highly opaque



Universal Primer Adhesive primer for problematic substrates

- For metal, PVC and wood Inhihits rust
- Seals off substances in the wood

Finishing Paint Highly opaque and elastic

- For wood, render & masonry
- . For sheet zinc & fibre cement
- Extremely resistant to weathering Resistant to driving rain



Opaque Coating 3in1 Solvent-based varnish for high-value wood

- e.g. windows, doors and profiled wood
- · Primer, intermediate and finishing coat
- Long-lasting protection



3in1 Multi-Purpose Varnish Universal, water-based opaque coating

- · Sealing primer, intermediate and finishing coat Wood, metal & PVC
- Railing, windows, carports and much more Corrosion protection C3 (medium)



Coloured Varnish 2in1 Primer and varnish in a single product

- Apply directly on rust For wood substrates
- Also suitable for radiators
- · Resistant to impacts and scratches



Oil Opaque Finish [eco] Opaque paint from renewable raw materials

- For interior and exterior wood
- e.g.: summerhouses, facades, carports, windows
- Protects against UV radiation and moisture
- Made from at least 70% renewable raw materials



Protection & care for garden wood



Green Growth Remover* For wood, concrete, clinker and natural stone

- · Self-cleaning, no need for subsequent washing
- High-yielding concentrate
- · Contains no active chlorine

Wood Brightener

Special cleaner and brightener for exterior wood

- Especially suitable for wooden terraces · For garden furniture & facades made from wood
- Brightens wood
- · Removes rust traces, algae and dirt
- Biodegradable No need for time-consuming sanding



Deep Cleaner for Wood Special cleaner for exterior wood

- Especially suitable for wooden terraces
- Removes coating residues (e.g. from oils & low-build stains)
- No need for time-consuming sanding



WPC Impregnation Oil For terraces and fences made from WPC, Resysta

- Also suitable for garden furniture made from WPC Repels dirt and water highly effectively
- High yielding and easy to apply
- · Clear: for brightening up the colour Brown & grey: for a long-lasting intense colour finish



Maintenance Oil Solvent-based, for wooden terraces and garden

- Penetrates deep into the wood
- Protects against moisture & UV radiation
- Easy to apply
- Good emphasis of the wood grain
- Also suitable for thermally treated wood



Garden Wood Oils [eco] Oil products based on renewable raw materials

- For wood in gardens and conservatories
- e.g.: terraces and garden furniture
- Thin protective film guards against UV radiation and moisture
- Slip resistant
- Made from at least 80% renewable raw materials



Interior wood finishing

Decorative Wax Stain For interior wood

- Made from renewable raw materials
- With linseed oil & natural resins
- Good water resistance also for damp rooms



Stair and Parquet Varnish For interior wood

- Also suitable for furniture, tables & doors Resistant to abrasion and scratches
- Resistant to chemicals (DIN 68861, Part 1, 1C)



Natural Hard Wax Oil For wooden floors, stairs & furniture

- Natural, matt surface
- Resistant to chemicals (DIN 68861, Part 1, 1C) For streak-free touch-ups



Hard Wax Oil [eco] Wood finish made from renewable raw materials

- For interior wood
- e.g. furniture, stairs, wooden & cork flooring
- Thin protective film guards against dirt and moisture
- Slip resistant
- Made from at least 90% renewable raw materials



Natural Worktop Finish [eco] Wood finish made from renewable raw materials

- For interior wood
- e.g. tabletops, worktops Thin protective film guards against moisture &
- common household substances Made from at least 90% renewable raw materials



Oiled Floor Care [eco] Care product for oiled and waxed wood floors

- For interior wood
- Initial application & touch-ups
- Refreshes the surface protection Made from at least 90% renewable raw materials



Repair Set Repairs scratches, small holes, pressure marks & damaged edges

 For stairs, parquet, laminate, furniture, kitchens & doors



Special products & accessories



Wood Cream clear Impregnation in cream form for softwood

- Protects the wood against moisture
- Can also be used on its own in sheltered areas



Wood Preservative Primer* For softwood

- e.g. spruce, fir and pine
- Penetrates deep into the wood Long-lasting protection against blue
- stain and rot Adhesive primer for many coatings

End-Grain Wood Protection

Reduces swelling and shrinkage



Moisture protection for cut edges e.g. summerhouses, terraces, fences, carports

· For use in a system with stains, paints and oils



- Neutral cross-linking (alkoxy)
- Strongly adhesive and highly elastic
- Film protection guards against mould
- Fire resistant (DIN 4102-B1) Compatible with bitumen



Clear, universal, high-strength PUR adhesive

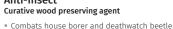
- and glass
- Waterproof as per DIN EN 204: D4
- Invisible bonds Evens out surface irregularities



Thinner & Brush Cleaner Mixture of dearomatised solvents

- For adjusting the viscosity of solvent-based alkyd resin stains & varnishes
- For cleaning tools Mild odour



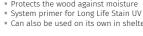






Preservation of valuable elements

- For extending intervals between renovation Seals micro-cracks in the coating



Coating systems for exterior wood

omponents	Appearance	Desired surface finish	Product base/notes	Work steps
Facade cladding Shutters Balcony railings Soffits High-value fences Palisades Pergolas Arbours Carports Screening walls	translucent	matt	solvent-based	2 – 3× HK Stain ⊕ or 1 – 2× Wood Cream ⊕
		matt	water-based/ renewable raw materials	2× Natural Oil Woodstain [eco] ①
		matt, for grey and weathered wood	water-based/ renewable raw materials	1× Renovation Primer ① 2× Natural Oil Woodstain [eco]
		silk gloss, with especially high UV protection	solvent-based	2× Long Life Stain UV ① 1× Long Life Stain UV (clear UV+) ③
		silk gloss, for grey and weathered wood	solvent-based	1× Renovation Primer ① 2× Long Life Stain UV
	opaque	matt	water-based/ renewable raw materials	2 – 3× Oil Opaque Finish [eco] ①
		silk matt	water-based	2 - 3× 3in1 Multi-Purpose Varnish ①
		silk matt, white and light colours	water-based	2× Sealing Primer ① 1× Finishing Paint
		silk matt, medium and dark colours	water-based	2× Finishing Paint ⊕
		silk gloss/ high gloss	solvent-based	2× Opaque Coating 3in1 ① or 2× Coloured Varnish 2in1 ①
Wooden deckingBridges	oiled	matt	water-based/ renewable raw materials	2× Garden Wood Oils [eco] ①/④/⑤ or 2× Patina Oil [eco] ①
		matt	solvent-based	2× Maintenance Oil ⊕/⑤
Footbridges made of resistant hardwood	oiled	matt	solvent-based	2× Maintenance Oil ④/⑤
Wooden decking, terraces, fences, garden furniture: WPC, Resysta or bamboo	oiled	matt	solvent-based	2× WPC Impregnation Oil ⊕/⑤
■ Garden furniture	oiled	matt	water-based/ renewable raw materials	2× Garden Wood Oils [eco] ①/④/⑤ 2× Patina Oil [eco] ①/⑤
		matt	solvent-based	2× Maintenance Oil ⊕/⊕/⑤
		silk gloss	solvent-based	2× Long Life Stain UV ①/⑤ 1× Long Life Stain UV (clear UV+) ③
	opaque	matt	water-based/ renewable raw materials	2 – 3× Oil Opaque Finish [eco] ① 1× Natural Oil Woodstain [eco] (1:1 with Oil Opaque Finish [eco])
		silk matt	water-based	2× 3in1 Multi-Purpose Varnish ⊕
		silk gloss	solvent-based	2 − 3× Opaque Coating 3in1 ①
		high gloss	solvent-based	2× Coloured Varnish 2in1 ①
	translucent	matt	water-based/ renewable raw materials	3× Natural Oil Woodstain [eco] ⊕/⊕/©
 Windows Exterior doors Conservatories 	translucent	matt, for grey and weathered wood	water-based	1× Renovation Primer ① 2× Natural Oil Woodstain [eco]
		silk gloss, for grey and weathered wood	solvent-based/ water-based	1× Renovation Primer ① 2× Natural Oil Woodstain UV 2× Long Life Stain UV
		silk gloss	solvent-based	2× Long Life Stain UV ① 1× Long Life Stain UV (clear UV+) ③
	opaque	matt	water-based/ renewable raw materials	3× Oil Opaque Finish [eco] ⊕
		silk matt	water-based	3× 3in1 Multi-Purpose Varnish ①
		silk gloss	solvent-based	3× Opaque Coating 3in1 ⊕
		high gloss	solvent-based	3× Coloured Varnish 2in1 ①
I Iron and steel Aluminium (not anodised) Galvanised steel Rigid PVC Old coatings	opaque	silk matt	water-based, with corrosion protection C3 (medium)	2-3 3in1 Multi-Purpose Varnish
Railings Metal fences Rusted	opaque	high gloss	solvent-based, with active rust protection	2 – 3× Coloured Varnish 2in1

Note: The coating recommendations are based on untreated wood. If touching up, 1 – 2 coats of the specified product will usually suffice.

If biocidal protection against fungi is desired, the wood can be impregnated with Wood Preservative Primer.
 Oil Opaque Finish [eco] reduces yellowing caused by water-soluble substances in the wood. Sealing Primer can be used for even greater protection.
 Additional coat of "clear UV+" can be applied; colour lasts longer and the surface can simply be recoated with "clear UV+" if maintained regularly.
 Clear variant does not protect against UV radiation (grey discolouration). Therefore, this product should only be used on wood in sheltered areas (i.e. protected against direct sunlight, precipitation and wind).
 Any residues of old coatings (oils & low-build stains) must be removed with Deep Cleaner for Wood. Pre-treat with Wood Brightener if necessary.

Coating systems for interior wood

Components	Appearance	Desired surface finish	Product base/notes	Work steps
■ Ceiling and wall panels	translucent	matt	water-based	2× Decorative Wax Stain
		matt	water-based/ renewable raw materials	2× Natural Oil Woodstain [eco]
	opaque	matt	water-based/ renewable raw materials	2× Oil Opaque Finish [eco]
		silk matt	water-based	2× 3in1 Multi-Purpose Varnish
		silk matt, white and light colours	water-based	2× Sealing Primer 1× Finishing Paint
		silk matt, medium and dark colours	water-based	2× Finishing Paint
	Repairing scrate	ches, holes, pressure marks a	Repair Set	
Solid wooden furniture	oiled	matt	renewable raw materials	2× Hard Wax Oil [eco]
 Parquet Stairs Cork flooring 	translucent/ oiled	silk matt	solvent-based	1 – 2× Decorative Wax Stain ② 2× Hard Wax Oil
	translucent/ varnished	silk matt/ silk gloss	water-based	1 – 2× Decorative Wax Stain ② or 1 – 2× Natural Oil Woodstain [eco] ○ 2× Stair and Parquet Varnish
	opaque	silk matt/ silk gloss	water-based/ renewable raw materials	2× Oil Opaque Finish ① or 2× 3in1 Multi-Purpose Varnish 2× Stair and Parquet Varnish
	Repairing scrate	ches, holes, pressure marks a	nd damaged edges	Repair Set
Tabletops & worktopsWooden kitchen utensilsChildren's furniture	oiled	matt	renewable raw materials	2× Natural Worktop Finish [eco]
■ Interior doors	translucent/	matt	renewable raw materials	2× Hard Wax Oil [eco]
	oiled	silk matt	solvent-based	(poss. 1 − 2× Decorative Wax Stain ②) 2× Hard Wax Oil
		matt	water-based/ renewable raw materials	2× Natural Oil Woodstain [eco]
		silk matt/ silk gloss	water-based	(poss. 1 – 2× Decorative Wax Stain ② or 1 – 2× Natural Oil Woodstain UV ②) 2× Stair and Parquet Varnish
	opaque	matt	water-based/ renewable raw materials	2× Oil Opaque Finish [eco]
		silk matt	water-based	2× 3in1 Multi-Purpose Varnish
		silk gloss	solvent-based	2× Opaque Coating 3in1
		high gloss	solvent-based	2× Coloured Varnish 2in1
	Repairing scrate	ches, holes, pressure marks a	Repair Set	
■ Iron and steel	opaque	silk matt	water-based, with corrosion protection C3 (medium)	2-3x 3in1 Multi-Purpose Varnish
 Aluminium (not anodised) Galvanised steel Rigid PVC Old coatings 				

