

HAMMERL

GmbH & Co. KG

Production of splendid violin varnishes

PRICELIST

2010



resins
abrasives and polishes
violin varnishes

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Information and orders

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Opening hours

Mon.-Fri.	8 a.m. to 12 noon 2 p.m. to 5 p.m.
Saturday	closed

How to find us

Take the A3 from Nuremberg to Würzburg; at the Fürth/Erlangen motorway intersection, take the A73 towards Bamberg until you reach the exit marked 'Möhrendorf/Baiersdorf'.

Drive on until you reach Baiersdorf, and turn off left towards the town center (direction 'Zentrum'). In the main street, you will see a Schlecker store. Immediately after, turn left into the entrance to our yard, where you'll see our company sign welcoming you.

Addresses

Postal address

Hammerl GmbH&Co.KG
Postfach 9
91081 Baiersdorf
Germany

Address for visitors

Hammerl GmbH&Co.KG
Hauptstrasse 18
91083 Baiersdorf
Germany

General Terms and Conditions of Business

Dear Business Friend,

We are pleased to submit our latest price list to you.

All deliveries shall be exclusively subject to our general terms of payment and delivery.

Prices

The prices shown in the latest catalog shall be applicable. All prices indicated in the catalog are net excluding the statutory value-added tax currently applicable.

Delivery costs

Germany: Postage is charged according to weight plus 1,50 €uro forwarding expenses.

Should boxes for dangerous goods be required, these will be charged at 8,- €uro each.

Foreign countries: Postage is charged according to weight plus 5,- €uro forwarding expenses.

Should boxes for dangerous goods be required, these will be charged at 8,- €uro each.

Minimum or value

A small order surcharge of 5 EUR shall be charged for orders below 30 EUR.

Terms of payment

Germany and EU: Invoices are payable within 14 days net cash.

Other countries: Advance payment or according to prior agreement.

Methods of payment

Invoice, payment by automatic debit transfer (only within Germany) or cash on delivery.

Credit cards: Visa, Eurocard, Diners and Mastercard.

Default in payment

A processing fee of 3,- €uro shall be charged per reminder if there is a delay in payments.

Additionally, default interest at the legally permissible rate shall be charged after failure to pay on due date.

Retention of title

All goods delivered shall remain the property of Hammerl GmbH & Co. KG until full payment has been made. It is prohibited to transfer ownership of the goods or to assign these by way of security to a third party before full payment has been effected.

The goods delivered shall be conveyed at the risk of the consignee.

Reservation of right of modification

Please note that the prices for resins and colored resins may be subject to price fluctuations. For this reason the valid daily prices shall always be charged.

Safety regulations

Keep varnishes away from heat and fire and ensure good ventilation. Take precautionary measures to avoid inhaling fumes. Avoid skin and eye contact.

It is essential that spirit varnishes and varnishes with propolis additive are refilled into glass bottles after delivery.

We must forward varnishes in metal containers due to forwarding regulations.

Place of performance and jurisdiction

The place of performance for deliveries is D-91083 Baiersdorf. In case of disputes, the courts at D-91052 Erlangen have jurisdiction and venue. The contractual relations between the parties shall be governed by and construed in accordance with the laws of the Federal Republic of Germany exclusively. Any application of the laws on the international sale of goods is precluded.

Turnover tax identification number for customers from the EU

Please indicate on the first order whether you have a turnover tax identification number.

The German value added tax is not applicable if you have a turnover tax ID number.

However, if you do not have a turnover tax identification number, we must charge you with the German statutory value-added tax in addition to the price shown in the catalogue.

This provision is only applicable to customers from the member states of the EU. Value-added tax is not applicable for exports to any other countries.

Consumer warning information

The importer of our goods is responsible for ensuring that the goods are labeled with the consumer warning information conforming to the laws of the country in which the goods will be sold.

The following is an introduction to our varnishes - but first of all, we'd like to make a few basic comments. We offer our customers only the most reliable, highest quality instrument varnishes that have been tested thousands of times. In order to meet the very specific requirements of every instrument-maker for varnishes of different types, we have developed a variety of varnishes with different characteristics. Our spirit varnishes, volatile oil varnishes and Italian balsamic oil varnishes are made only from pure nature resins dissolved in spirit, natural volatile oils or balsams. All our varnishes are produced with care and stored for long periods of time, and are thus clear and pure, allowing the features of the wood to shine through in all their freshness.

Spirit varnish, quality Ia

Spirit varnish has always been the varnish most commonly used for stringed instruments. It dries quickly, thus allowing a daily coating. The coating must be applied quickly, however, in order to prevent the varnish from clouding, especially on color varnish. Every coat must be thoroughly dried before the next coat is applied in order to prevent any cracks from materialising later. (Press hard on the varnish with your thumb for a few seconds. If it fails to make a print in the varnish then you can apply the next coat). Spirit varnish can be smoothed well with pumice – stone or rottenstone and polished with an appropriate Polish.

JOHA® Propolis mixed varnish

It is an Italian type of spirit varnish which, in spite of being a very soft varnish, dries well. After it has been left to dry for a few days it polishes very well. As the name suggests this varnish is partly made up of propolis and is of a particularly fine quality. (Its natural color is a beautiful antique yellow). This varnish should be smoothed with rottenstone and polished after it has dried thoroughly (for at least 30 days)

JOHA® Italian balsamic oil varnish

The Italian balsamic oil varnish is manufactured according to old Italian recipes. Volatile oils and balsams the main solvents used to produce a soft varnish which retains its suppleness after it has dried. The combination of soft, elastic resins and volatile oils used as solvents results in an excellent varnish which is easy to apply. The mixture of resins and solvents was made in such a way that the resins would not become brittle once the solvents had evaporated, but rather would form an homogenous, elastic coating of varnish. The Italian balsamic oil varnish, with its elasticity, gives the stringed instruments a very good resonance, soft sound reproduction and a very attractive appearance.

JOHA® Volatile oil varnish

An outstanding oil varnish made with balsams and volatile oils which dries much faster than normal oil varnishes. As a result, however, it is not as easy to paint on as normal oil varnish. Because it contains propolis, it stays elastic for a long time and allows the wood to vibrate properly. However, this means that volatile oil varnish may remain sensitive to heat and pressure even after years. After the last coat has dried (30 days to 6 weeks), the volatile oil varnish can be smoothed off with tripoli earth and polished.

Oil varnish, standard quality or quality Ia, with lavender

This varnish applies very well and virtually anyone can do a good job when using it. It should be diluted a bit with balsam turpentine, despite the fact that it then takes a little longer to dry. (Test this, too, with your thumb to see if it is dry). In the long run this varnish becomes somewhat harder than spirit varnish. You can smooth this varnish, too, with pumice – stone or rottenstone and work it to a gentle shine with Polish and gloss oil.

JOHA® Retouching varnish

JOHA® retouching varnish (order# 1800 - 1840) is ideal for repairing damaged varnish on musical instruments. It is made using selected resins and a special solvent, thus providing excellent adhesion to damaged areas.

In order to achieve better cover, JOHA® Retouching Varnish has a slightly stronger color.

The composition of this special retouching varnish means that it is ideal for repairs to both spirit and oil varnishes.

The appropriate thinner (order# 1840) should be used with JOHA® retouching varnish.

JOHA® retouching varnish is available in six colors: clear, brown, yellow, red, golden yellow and black.

All colors can be mixed with each other.

The retouching varnish should be thickly dabbed or painted onto the area to be repaired; leave to dry completely and then sand smooth to match the remaining varnish.

JOHA® color extract

JOHA® color extract (order# 2901 - 2910) is a liquid, light-resistant, transparent color for tinting colorless JOHA® varnishes, although it can also be used with other spirit, oil and synthetic resin varnishes.

JOHA® color extract is available in the following colors: yellow, brown, red, amber, red brown, gold brown, gold yellow, black, blue and green.

The colors can be mixed with each other, so that any shade of instrument varnish can be matched.

Our JOHA® color extract is superior to spirit and oil soluble powder colors as it is much more resistant to light than powder colors.

JOHA® Color extract is dissolved completely and can be added directly to the varnish.

Stains and primers

If the unfinished instrument is to have a beautiful basic color, it should be stained before varnishing.

But since the hardness of wood can vary, thus absorbing the stain unevenly, it is recommended that the basic instrument should be pre-treated first to ensure that the color is attractively even.

Instructions for pre-treating the wood

Dissolve about 30 g of gelatin powder (order# 7460) in a liter of warm water and then heat until the solution is clear and thin. Apply the warm solution evenly with a bristle brush, leave to dry completely and sand down very carefully with a fine sandpaper.

The various stains described below can then be applied.

Instructions for application of water-based stains

Water-based stains (order# 3096-3150) are available in some 20 shades. Dissolve contents of the bag, following the instructions on the label. To make the color lighter or deeper, change the proportion of water used.

Apply the stain solution evenly to the cleanly sanded instrument using a sponge or brush (order# 9404 - 9412). Wipe off excess stain with a dry rag.

JOHA® Antique stain # 421

Stain # 421 - antique gray-brown (order# 8421) is a ready-mixed oxidation stain. After application, the color changes under the effect of air and daylight from being colorless to antique light-middle brown.

This stain is applied exactly as described above. Once the required color has been reached, gently sand with a fine sandpaper and apply 1 coat basic varnish. This prevents further modification of the color.

Ideally, one should carry out a test stain and varnish to see what the final result will be, since the colors will vary with different types of wood. This stain particularly draws out timber rings.

JOHA® stain # 423 and JOHA® stain # 402 M

Stain # 402 M (order# 8402) is a rich brown, ready-made stain which should be used if a dark instrument is required.

Stain # 423 (order#8423) is a ready-made orange stain made from natural dyes. Use as water-based stains.

How to varnish a violin

First pretreat the cleanly sanded instrument using the enclosed gelatin powder dissolved in 250 ccm hot water. After drying, sand well and stain using stain # 421, applied with a stain sponge. Excess stain should be removed with a lint-free cloth. Make sure that there are no glue spots on the wood, as these will prevent the stain from being absorbed. The color of the stain will change with the effect of light to antique brown, depending on the time allowed for absorption - from two to ten hours.

After the required shade has been reached, the instrument should be painted over immediately with one coat of basic primer varnish. Repeat after about 4 hours. Leave to dry well between the first and second coats of primer and sand briefly using sandpaper #400. Carefully remove sanding residue from the instrument using a brush or cloth.

Then apply approx. 2-3 coats of colored varnish until the color is as required. Leave to varnish to dry well between coats, for at least one day, and preferably 2-3 days. Make sure that the brush is always full of varnish when painting in order to avoid streaking. In addition, the color varnish and cover varnish should be diluted with varnish thinner. This can also be used to clean the brush.

Only with spirit varnish

If the brush hardens, place in thinner and leave to soften.

If the varnish is slightly uneven, sand down in between using sandpaper # 400. Then apply at least 4-6 coats of cover varnish. Once again, leave to dry properly between coats. The more coats of varnish, the longer the drying time. Sand down in between if necessary.

After the last coat of varnish has been applied, leave the instrument to dry for 2-4 weeks and then smooth down using tripoli earth and oil. First dip a linen cloth in polishing oil and then in tripoli earth and smooth down the instrument. If large amounts of varnish have to be sanded off, another coat of cover varnish can be applied after the Polish residues have been completely cleaned off.

The violin can now be finished (glue on fingerboard, fit in pegs, etc.). Then sand the grip of the neck cleanly with sandpaper #180.

Finally, Polish the instrument to a shine. It is important to work in a room that is at a reasonable temperature.

Dirt and resin dust can be removed from the instrument after playing using the varnish cleaner enclosed.

We hope you enjoy playing the instrument you have made for yourself.

Our book (3. Edition) in English language
Price 30,00 €uro

VIOLIN VARNISHES

Interesting information
On resins and basic materials
For violin advice on varnishing

Edited by Josef and Reiner Hammerl
Translated from the German by
Jess Nierenberg

A list of dyeing resins, their color and solvents is shown below. This is a general overview and is intended as a Guide. Please experiment yourself, using potash, ammonia solution, iron chloride etc. A detailed description of The resins and dyeing resins is given in our book “**VIOLIN VARNISH**”

DYEING RESIN	COLOR	SOLVENT	COMMENTS
Acaroid resin	red	Spirit	
Alkanna root or alkanet	red	Spirit Turpentine Volatile oils	may turn slightly bluish
Alicarin =madder	As for madder root but more highly concentrated		
Aloe	yellowish – brown to brown	Spirit Water	heat to dissolve heat to dissolve
Asphalt	brown	Spirit -acetone mixture add Spirit	make into paste
Logwood extract	black	Water	boil up logwood extract + iron vitriol. Place wood in solution and if possible boil with it.
Campeachy wood also known as logwood	dark red yellow	Water Spirit	heat to dissolve heat to dissolve
Catechu	warm brown brown to red brown	Spirit Water	heat to dissolve heat to dissolve
Cochineal	red	Spirit + spike oil	reduce to powder and heat to dissolve. Caution: easily turns violet.
Curcuma root	yellow	Spirit	heat to dissolve
Dragon´s blood	red	Spirit Volatile oils	heat to dissolve heat to dissolve
Safflower	yellowish – orange yellow reddish - yellow	Water + soda Water + potash Spirit	boil up boil up heat to dissolve
Pernambuco or redwood	yellowish – brown to reddish – brown golden yellow	Water + potash Spirit	boil up heat to dissolve
Gallnut	black	Water + iron chloride	boil up
Yellow wood extract Liquid	yellow yellow	Spirit Water	readily soluble
Guaiacum	brown	Spirit	heat to dissolve
Gamboge	yellow	Spirit	heat to dissolve Caution: TOXIC !!!
Kamala	golden orange orange	Spirit Water + potash	heat to dissolve heat to dissolve, when cool add ammonia solution
Madder root	red	Spirit	Prepare first in a small amount of ammonia solution
Orlean	yellow orange - red	Water Spirit Volatile oils	heat to dissolve heat to dissolve heat to dissolve
Saffron (real saffron) in strands	yellow yellow	Spirit Water + borax	heat to dissolve heat to dissolve
Sandalwood	red to orange	Spirit + copaiva balsam	heat to dissolve
Onion skins	old yellow to old gold	Water + potash or Water + soda	heat to dissolve heat to dissolve

SPIRIT VARNISH Ia

from natural resins only

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1110	Spirit primer Ia, colorless	32,00 €	17,25 €	11,20 €	6,75 €
1114	Spirit primer Ia, brown turbid	32,00 €	17,25 €	11,20 €	6,75 €
1116	Spirit primer Ia, golden brown	32,00 €	17,25 €	11,20 €	6,75 €
1120	Spirit color varnish Ia, colorless	27,65 €	15,70 €	10,30 €	6,25 €
1121	Spirit color varnish Ia, yellow	27,65 €	15,70 €	10,30 €	6,25 €
1122	Spirit color varnish Ia, golden yellow	27,65 €	15,70 €	10,30 €	6,25 €
1123	Spirit color varnish Ia, red	27,65 €	15,70 €	10,30 €	6,25 €
1124	Spirit color varnish Ia, brown	27,65 €	15,70 €	10,30 €	6,25 €
1125	Spirit color varnish Ia, amber	27,65 €	15,70 €	10,30 €	6,25 €
1126	Spirit color varnish Ia, golden brown	27,65 €	15,70 €	10,30 €	6,25 €
1127	Spirit color varnish Ia, red brown	27,65 €	15,70 €	10,30 €	6,25 €
1128	Spirit color varnish Ia, black	27,65 €	15,70 €	10,30 €	6,25 €
1132	Spirit color varnish Ia, dark brown	27,65 €	15,70 €	10,30 €	6,25 €
1310	Spirit coating IDEAL Extra	26,90 €	15,20 €	9,85 €	5,55 €
1320	Spirit coating IDEAL II	23,75 €	13,20 €	8,25 €	4,95 €

PROPOLIS MIXED VARNISH

A top product made from propolis, natural resins and balsams

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1510	Propolis primer natural,	84,25 €	51,00 €	27,30 €	15,20 €
1520	Propolis color varnish natural,	84,25 €	51,00 €	27,30 €	15,20 €
1521	Propolis color varnish, yellow	84,25 €	51,00 €	27,30 €	15,20 €
1522	Propolis color varnish, golden yellow	84,25 €	51,00 €	27,30 €	15,20 €
1523	Propolis color varnish, red	84,25 €	51,00 €	27,30 €	15,20 €
1524	Propolis color varnish, brown	84,25 €	51,00 €	27,30 €	15,20 €
1525	Propolis color varnish, amber	84,25 €	51,00 €	27,30 €	15,20 €
1526	Propolis color varnish, golden brown	84,25 €	51,00 €	27,30 €	15,20 €
1527	Propolis color varnish, red brown	84,25 €	51,00 €	27,30 €	15,20 €
1530	Propolis coating natural,	84,25 €	51,00 €	27,30 €	15,20 €

SPIRIT VARNISH, STANDARD QUALITY

from natural resins only

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1210	Spirit primer standard, colorless	26,95 €	15,90 €	10,20 €	5,80 €
1220	Spirit color varnish standard, colorless	21,75 €	12,50 €	6,95 €	5,30 €
1221	Spirit color varnish standard, yellow	21,75 €	12,50 €	6,95 €	5,30 €
1222	Spirit color varnish standard, golden yellow	21,75 €	12,50 €	6,95 €	5,30 €
1223	Spirit color varnish standard, red	21,75 €	12,50 €	6,95 €	5,30 €
1224	Spirit color varnish standard, brown	21,75 €	12,50 €	6,95 €	5,30 €
1225	Spirit color varnish standard, amber	21,75 €	12,50 €	6,95 €	5,30 €
1226	Spirit color varnish standard, golden brown	21,75 €	12,50 €	6,95 €	5,30 €
1227	Spirit color varnish standard, red brown	21,75 €	12,50 €	6,95 €	5,30 €
1228	Spirit color varnish standard, black	21,75 €	12,50 €	6,95 €	5,30 €
1229	Spirit color varnish standard, dark brown	21,75 €	12,50 €	6,95 €	5,30 €
1330	Spirit coating IDEAL standard	21,75 €	12,50 €	6,95 €	5,30 €

Spirit varnish la, silky (mat varnish) NEW !!!

from natural resins only

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1410	Spirit varnish, primer, silky	34,25 €	18,50 €	11,65 €	7,30 €
1420	Spirit color varnish, silky, colorless	34,25 €	18,50 €	11,65 €	7,30 €
1421	Spirit color varnish, silky, yellow	34,25 €	18,50 €	11,65 €	7,30 €
1422	Spirit color varnish, silky, golden yellow	34,25 €	18,50 €	11,65 €	7,30 €
1423	Spirit color varnish, silky, red	34,25 €	18,50 €	11,65 €	7,30 €
1424	Spirit color varnish, silky, brown	34,25 €	18,50 €	11,65 €	7,30 €
1425	Spirit color varnish, silky, amber	34,25 €	18,50 €	11,65 €	7,30 €
1426	Spirit color varnish, silky, golden brown	34,25 €	18,50 €	11,65 €	7,30 €
1427	Spirit color varnish, silky, red brown	34,25 €	18,50 €	11,65 €	7,30 €
1428	Spirit color varnish, silky, black	34,25 €	18,50 €	11,65 €	7,30 €
1430	Spirit varnish, coating, silky	34,25 €	18,50 €	11,65 €	7,30 €

BOW VARNISH

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1620	Spirit bow varnish, colorless	21,75 €	12,50 €	6,95 €	5,30 €
1621	Spirit bow varnish, yellow	21,75 €	12,50 €	6,95 €	5,30 €
1622	Spirit bow varnish, golden yellow	21,75 €	12,50 €	6,95 €	5,30 €
1623	Spirit bow varnish, red	21,75 €	12,50 €	6,95 €	5,30 €
1624	Spirit bow varnish, brown	21,75 €	12,50 €	6,95 €	5,30 €
1625	Spirit bow varnish, amber	21,75 €	12,50 €	6,95 €	5,30 €
1626	Spirit bow varnish, golden brown	21,75 €	12,50 €	6,95 €	5,30 €
1627	Spirit bow varnish, red brown	21,75 €	12,50 €	6,95 €	5,30 €
1628	Spirit bow varnish, black	21,75 €	12,50 €	6,95 €	5,30 €

GUITAR VARNISH

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1650	Guitar spirit varnish, colorless	26,75 €	14,95 €	9,95 €	5,75 €
1660	Guitar oil varnish, colorless, quick drying	30,95 €	18,35 €	10,55 €	6,75 €

SHELLAC POLISHES

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1750	Shellac polish light, clear	26,75 €	14,95 €	9,95 €	5,75 €
1754	Shellac polish brown, naturally turbid	26,75 €	14,95 €	9,95 €	5,75 €
1756	Shellac polish golden brown, clear	26,75 €	14,95 €	9,95 €	5,75 €
1757	Shellac Grip polish	26,75 €	14,95 €	9,95 €	5,75 €
1758	Shellac polish black	33,70 €	19,00 €	11,90 €	6,80 €
1759	High polish coating	26,75 €	14,95 €	9,95 €	5,75 €
1760	Peg varnish black	33,70 €	19,00 €	11,90 €	6,80 €

SPIRIT VARNISH DILUTION highly concentrated 99,9 %

also suitable for use as solvent for making spirit varnish

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1400	Spirit varnish dilution	40,00 €	5,90 €	3,90 €	2,95 €

9603 10 L can is only available in Germany.

OIL VARNISH Ia

with lavender and balsams

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2110	Oil varnish Ia, primer colorless	45,95 €	28,55 €	15,55 €	9,90 €
2120	Oil varnish Ia, color varnish colorless	45,95 €	28,55 €	15,55 €	9,90 €
2121	Oil varnish Ia, color varnish yellow	45,95 €	28,55 €	15,55 €	9,90 €
2122	Oil varnish Ia, color varnish golden yellow	45,95 €	28,55 €	15,55 €	9,90 €
2123	Oil varnish Ia, color varnish red	45,95 €	28,55 €	15,55 €	9,90 €
2124	Oil varnish Ia, color varnish brown	45,95 €	28,55 €	15,55 €	9,90 €
2125	Oil varnish Ia, color varnish amber	45,95 €	28,55 €	15,55 €	9,90 €
2126	Oil varnish Ia, color varnish golden brown	45,95 €	28,55 €	15,55 €	9,90 €
2127	Oil varnish Ia, color varnish red brown	45,95 €	28,55 €	15,55 €	9,90 €
2128	Oil varnish Ia, color varnish black	45,95 €	28,55 €	15,55 €	9,90 €
2129	Oil varnish Ia, color varnish darkbrown	45,95 €	28,55 €	15,55 €	9,90 €
2130	Oil varnish Ia, coating	45,95 €	28,55 €	15,55 €	9,90 €

OIL VARNISH STANDARD QUALITY

dries very well

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2210	Oil varnish standard, primer colorless	32,65 €	19,70 €	11,25 €	7,30 €
2220	Oil varnish standard, color varnish colorless	32,65 €	19,70 €	11,25 €	7,30 €
2221	Oil varnish standard, color varnish yellow	32,65 €	19,70 €	11,25 €	7,30 €
2222	Oil varnish standard, color varnish golden yellow	32,65 €	19,70 €	11,25 €	7,30 €
2223	Oil varnish standard, color varnish red	32,65 €	19,70 €	11,25 €	7,30 €
2224	Oil varnish standard, color varnish brown	32,65 €	19,70 €	11,25 €	7,30 €
2225	Oil varnish standard, color varnish amber	32,65 €	19,70 €	11,25 €	7,30 €
2226	Oil varnish standard, color varnish golden brown	32,65 €	19,70 €	11,25 €	7,30 €
2227	Oil varnish standard, color varnish red brown	32,65 €	19,70 €	11,25 €	7,30 €
2228	Oil varnish standard, color varnish black	32,65 €	19,70 €	11,25 €	7,30 €
2229	Oil varnish standard, color varnish dark brown	32,65 €	19,70 €	11,25 €	7,30 €
2230	Oil varnish standard, coating	32,65 €	19,70 €	11,25 €	7,30 €

VOLATILE OIL VARNISH

A soft, elastic oil varnish of finest quality with volatile oils

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2310	Volatile oil varnish, primer	83,40 €	48,90 €	26,70 €	14,95 €
2320	Volatile oil varnish, color varnish colorless	83,40 €	48,90 €	26,70 €	14,95 €
2321	Volatile oil varnish, color varnish yellow	83,40 €	48,90 €	26,70 €	14,95 €
2322	Volatile oil varnish, color varnish golden yellow	83,40 €	48,90 €	26,70 €	14,95 €
2323	Volatile oil varnish, color varnish red	83,40 €	48,90 €	26,70 €	14,95 €
2324	Volatile oil varnish, color varnish brown	83,40 €	48,90 €	26,70 €	14,95 €
2325	Volatile oil varnish, color varnish amber	83,40 €	48,90 €	26,70 €	14,95 €
2326	Volatile oil varnish, color varnish golden brown	83,40 €	48,90 €	26,70 €	14,95 €
2327	Volatile oil varnish, color varnish red brown	83,40 €	48,90 €	26,70 €	14,95 €
2330	Volatile oil varnish, coating	83,40 €	48,90 €	26,70 €	14,95 €
2340	Dilution for volatile oil varnish	11,40 €	6,55 €	4,55 €	3,80 €

ITALIAN BALSAMIC OIL VARNISH

Our top varnish made after an old italian recipe

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2410	Italian oil varnish, primer	97,35 €	52,95 €	31,15 €	17,30 €
2420	Italian oil varnish, color varnish colorless	97,35 €	52,95 €	31,15 €	17,30 €
2421	Italian oil varnish, color varnish, yellow	97,35 €	52,95 €	31,15 €	17,30 €
2422	Italian oil varnish, color varnish golden yellow	97,35 €	52,95 €	31,15 €	17,30 €
2423	Italian oil varnish, color varnish red	97,35 €	52,95 €	31,15 €	17,30 €
2424	Italian oil varnish, color varnish brown	97,35 €	52,95 €	31,15 €	17,30 €
2425	Italian oil varnish, color varnish amber	97,35 €	52,95 €	31,15 €	17,30 €
2426	Italian oil varnish, color varnish golden brown	97,35 €	52,95 €	31,15 €	17,30 €
2427	Italian oil varnish, color varnish red brown	97,35 €	52,95 €	31,15 €	17,30 €
2430	Italian oil varnish, coating	97,35 €	52,95 €	31,15 €	17,30 €
2440	Dilution for italian oil varnish	25,45 €	15,30 €	9,10 €	4,35 €

RETOUCHING VARNISH

recommend for repairing spirit varnishes as well as oil varnishes

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
1800	Retouching varnish colorless	45,25 €	25,40 €	15,20 €	8,50 €
1801	Retouching varnish yellow	45,25 €	25,40 €	15,20 €	8,50 €
1802	Retouching varnish golden yellow	45,25 €	25,40 €	15,20 €	8,50 €
1803	Retouching varnish red	45,25 €	25,40 €	15,20 €	8,50 €
1804	Retouching varnish brown	45,25 €	25,40 €	15,20 €	8,50 €
1808	Retouching varnish schwarz	45,25 €	25,40 €	15,20 €	8,50 €
1809	Retouching varnish assortment, all 6 colors			86,60 €	42,80 €
1840	Dilution for retouching varnish	11,75 €	6,80 €	4,55 €	3,95 €

DILUTION for oil varnishes la and standard quality

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2240	Oil varnish dilution	9,10 €	5,90 €	3,95 €	3,20 €

DRYING AGENT

for oil varnishes la and standard quality

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2601	Siccativ	17,10 €	9,95 €	5,45 €	4,20 €

BRUSH CLEANER

for all our varnishes

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2602	Brush cleaner	7,45 €	5,15 €	3,45 €	

COLOR EXTRACT

for coloring all our varnishes

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
2901	Color extract yellow	48,80 €	26,95 €	15,75 €	8,50 €
2902	Color extract golden yellow	48,80 €	26,95 €	15,75 €	8,50 €
2903	Color extract red	48,80 €	26,95 €	15,75 €	8,50 €
2904	Color extract brown	48,80 €	26,95 €	15,75 €	8,50 €
2905	Color extract amber	48,80 €	26,95 €	15,75 €	8,50 €
2906	Color extract golden brown	48,80 €	26,95 €	15,75 €	8,50 €
2907	Color extract red brown	48,80 €	26,95 €	15,75 €	8,50 €
2908	Color extract black	48,80 €	26,95 €	15,75 €	8,50 €
2909	Color extract green	48,80 €	26,95 €	15,75 €	8,50 €
2910	Color extract blue	48,80 €	26,95 €	15,75 €	8,50 €

WATER STAINS, liquid

Art.Nr	EURO	1 L / kg EURO	500 ml/g EURO	250 ml/g EURO	100 ml/g EURO
8401	Stain 401, yellow	12,30 €	7,70 €	4,70 €	3,95 €
8402	Stain 402 M, antique stain, brown	12,30 €	7,70 €	4,70 €	3,95 €
8403	Stain 403, red	12,30 €	7,70 €	4,70 €	3,95 €
8421	Stain 421, antique stain	12,30 €	7,70 €	4,70 €	3,95 €
8422	Stain 422, antique stain " POISON " old grey brown	12,30 €	7,70 €	4,70 €	3,95 €
8423	Stain 423, orange	13,20 €	8,05 €	4,95 €	4,20 €
8427	Stain 427, boxwood	13,20 €	8,05 €	4,95 €	4,20 €
8428	Stain 428, old golden brown	13,20 €	8,05 €	4,95 €	4,20 €
8429	Stain 429, black	18,90 €	10,00 €	5,35 €	4,50 €
8460	Nut stain, brown, powder, soluble in water	13,85 €	7,75 €	4,35 €	2,85 €
8465	walnut skin, cut	13,85 €	7,75 €	4,35 €	2,85 €

STAINS, liquid, contains solvent

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
8431	Ebony stain Z, intense	52,10 €	27,90 €	15,65 €	8,55 €
8432	Ebony stain Z, non transparent	52,10 €	27,90 €	15,65 €	8,55 €

POWDER - COLORS soluble in spirit

Art.Nr	.	1 kilo	100 g	50 g	1 pack
	EURO	EURO	EURO	EURO	EURO
3001	Color S # 1 golden yellow	250,00 €	31,00 €	17,90 €	3,45 €
3002	Color S # 2 yellow brown	350,00 €	45,00 €	25,00 €	3,45 €
3003	Color S # 3 dark brown	350,00 €	45,00 €	25,00 €	3,45 €
3005	Color S # 5 amber	350,00 €	45,00 €	25,00 €	3,45 €
3006	Color S # 6 nut brown	250,00 €	31,00 €	17,90 €	3,45 €
3007	Color S # 7 yellow	250,00 €	31,00 €	17,90 €	3,45 €
3008	Color S # 8 red yellow	250,00 €	31,00 €	17,90 €	3,45 €
3009	Color S # 9 warm brown	350,00 €	45,00 €	25,00 €	3,45 €
3013	Color S # 13 red brown	250,00 €	31,00 €	17,90 €	3,45 €
3027	Color S # 27 maroon	350,00 €	45,00 €	25,00 €	3,45 €
3032	Color S # 32 golden brown, light	250,00 €	31,00 €	17,90 €	3,45 €
3034	Color S # 34 orange	250,00 €	31,00 €	17,90 €	3,45 €
3035	Color S # 35 pure yellow	250,00 €	31,00 €	17,90 €	3,45 €
3050	Color S # 50 black	250,00 €	31,00 €	17,90 €	3,45 €
3055	Color S # 55 french red	250,00 €	31,00 €	17,90 €	3,45 €
3056	Color S # 56 red	350,00 €	45,00 €	25,00 €	3,45 €
3058	Color S # 58 mahogany red, light	350,00 €	45,00 €	25,00 €	3,45 €
3059	Color S # 59 mahogany dark	250,00 €	31,00 €	17,90 €	3,45 €
3070	Color S # 70 blue	350,00 €	45,00 €	25,00 €	3,45 €
3095	Color S # 95 green	350,00 €	45,00 €	25,00 €	3,45 €

POWDER - COLORS soluble in turpentine for oil varnishes

Art.Nr	.	1 kilo	100 g	50 g	1 pack
	EURO	EURO	EURO	EURO	EURO
3531	Color O # 531 yellow	250,00 €	31,00 €	17,90 €	3,45 €
3532	Color O # 532 red	250,00 €	31,00 €	17,90 €	3,45 €
3533	Color O # 533 black	250,00 €	31,00 €	17,90 €	3,45 €
3534	Color O # 534 brown	250,00 €	31,00 €	17,90 €	3,45 €
3535	Color O # 535 orange	250,00 €	31,00 €	17,90 €	3,45 €
3536	Color O # 536 blue	250,00 €	31,00 €	17,90 €	3,45 €
3537	Color O # 537 golden brown	250,00 €	31,00 €	17,90 €	3,45 €

STAINS soluble in water

Art.Nr		EURO	1 kg EURO	100 g EURO	50 g EURO	1 pack EURO
3097	Stain W # yellowish brown light		160,00 €	20,00 €	12,00 €	3,45 €
3098	Stain W # 98 orange		160,00 €	20,00 €	12,00 €	3,45 €
3100	Stain W # 100 golden yellow		160,00 €	20,00 €	12,00 €	3,45 €
3101	Stain W # 101 dark brown		160,00 €	20,00 €	12,00 €	3,45 €
3102	Stain W # 102 mahogany red light		160,00 €	20,00 €	12,00 €	3,45 €
3104	Stain W # 104 nut brown, dark		160,00 €	20,00 €	12,00 €	3,45 €
3108	Stain W # 108 old yellow		160,00 €	20,00 €	12,00 €	3,45 €
3115	Stain W # 115 amber yellow		160,00 €	20,00 €	12,00 €	3,45 €
3116	Stain W # 116 oak brown, light		160,00 €	20,00 €	12,00 €	3,45 €
3117	Stain W # 117 palisander brown		160,00 €	20,00 €	12,00 €	3,45 €
3120	Stain W # 120 golden brown		160,00 €	20,00 €	12,00 €	3,45 €
3121	Stain W # 121 mahogany brown, light		160,00 €	20,00 €	12,00 €	3,45 €
3125	Stain W # 125 pure brown		160,00 €	20,00 €	12,00 €	3,45 €
3127	Stain W # 127 maroon		160,00 €	20,00 €	12,00 €	3,45 €
3128	Stain W # 128 old golden brown		160,00 €	20,00 €	12,00 €	3,45 €
3135	Stain W # 135 pure yellow		160,00 €	20,00 €	12,00 €	3,45 €
3138	Stain W # 138 blue		180,00 €	23,00 €	14,00 €	3,45 €
3139	Stain W # 139 green		180,00 €	23,00 €	14,00 €	3,45 €
3142	Stain W # 142 red		160,00 €	20,00 €	12,00 €	3,45 €
3150	Stain W # 150 black		160,00 €	20,00 €	12,00 €	3,45 €
3156	Stain W # 156 mahogany red dark		160,00 €	20,00 €	12,00 €	3,45 €
3157	Stain W # 157 french red		160,00 €	20,00 €	12,00 €	3,45 €
3169	Stain W # 169 red brown		160,00 €	20,00 €	12,00 €	3,45 €

NATURAL RESINS

for making varnish

Art.Nr	EURO	1 kg EURO	500 g EURO	250 g EURO	100 g EURO
4010	Gum ammoniac	95,00 €	55,00 €	30,00 €	15,00 €
4020	Gum benzoin, in chunks with almonds inabled	11,50 €	6,90 €	4,25 €	2,00 €
4030	Benzoin, pure almond	54,00 €	29,00 €	16,50 €	7,95 €
4040	Amber	76,70 €	46,00 €	27,65 €	13,80 €
4060	Burgundian resin	45,00 €	26,00 €	15,00 €	7,65 €
4070	Dammar	14,35 €	7,40 €	4,10 €	2,45 €
4080	Gum elemi, softener for spirit varnish	19,50 €	10,75 €	6,10 €	3,25 €
4090	Resin pure (Colophony)	15,00 €	8,40 €	4,50 €	2,50 €
4100	Colophony powder	21,00 €	14,00 €	8,00 €	3,60 €
4110	Buttonlac	40,00 €	32,00 €	14,00 €	7,50 €
4120	Copal, Manila	9,90 €	5,50 €	3,00 €	1,75 €
4150	Seedlac	29,40 €	15,35 €	8,45 €	4,25 €
4160	Gum mastic, in tears, pure, clear	195,00 €	120,00 €	70,00 €	35,00 €
4170	Myrrh resin	19,50 €	10,75 €	6,10 €	3,25 €
4180	Propolis, bee resin	138,05 €	81,80 €	43,45 €	17,90 €
4185	Propolis liquid, pure	127,80 €	76,70 €	46,00 €	25,55 €
4200	Sandarac, genuine, in tears	33,75 €	18,00 €	9,85 €	4,40 €
4220	Shellac white, dessolves clear, dewaxed	25,00 €	14,00 €	7,75 €	3,90 €
4230	Shellac sun, bleached, dewaxed	25,00 €	14,00 €	7,75 €	3,90 €
4240	Shellac golden orange, dissolves clearly	29,40 €	15,35 €	8,45 €	4,25 €
4250	Shellac garnet, shredded, dewaxed	15,00 €	8,40 €	4,50 €	2,50 €
4255	Shellac garnet, top quality, dewaxed	38,35 €	22,95 €	12,80 €	6,15 €
4260	Shellac lemon, top quality	11,50 €	6,50 €	3,75 €	2,00 €
4270	Shellac orange	15,00 €	8,40 €	4,50 €	2,50 €
4280	Sticklac	38,35 €	22,95 €	12,80 €	6,15 €
4290	Venitian turpentine, thick, softener	29,40 €	15,35 €	8,45 €	4,25 €
4310	Frankincense	15,35 €	8,45 €	4,65 €	2,50 €

NATURAL DYES

for coloring varnishes

Art.Nr	.	1 kg	500 g	250 g	100 g
	EURO	EURO	EURO	EURO	EURO
5010	Acaroid, red	23,00 €	12,50 €	7,10 €	4,35 €
5020	Alkanet, red	30,65 €	17,90 €	10,25 €	4,60 €
5030	Aloe, coloring yellow to yellowish brown	38,35 €	20,45 €	11,75 €	5,40 €
5040	Asphalt, Syrian, brown	17,90 €	10,25 €	5,40 €	3,10 €
5050	Log wood extract, for staining black	95,00 €	55,00 €	30,00 €	15,00 €
5060	Campeachy wood, dark red, yellow	17,90 €	10,25 €	5,40 €	3,10 €
5070	Catechu, brown	23,00 €	12,80 €	7,10 €	4,35 €
5090	Tumeric, yellow	17,90 €	10,25 €	5,40 €	3,10 €
5100	Dragon's blood, red, in lumps	250,00 €	135,00 €	75,00 €	40,00 €
5105	Dragon's blood, powder, red	215,00 €	115,00 €	65,00 €	30,00 €
5110	Bastard saffron, yellow to yellowish red	46,00 €	28,15 €	15,00 €	7,20 €
5120	Pernambuco, yellowish red to dark red	28,00 €	16,00 €	9,50 €	4,20 €
5130	Gallnut, for staining black	30,65 €	17,90 €	10,25 €	4,60 €
5140	Guaiac resin, brown	250,00 €	130,00 €	70,00 €	35,00 €
5150	Gamboge yellow POISON !!!	125,25 €	71,60 €	38,35 €	16,90 €
5160	Gamboge, powder	125,25 €	71,60 €	38,35 €	16,90 €
5170	Yellowwood extract, liquid, yellow	102,00 €	66,00 €	35,80 €	15,35 €
5175	Yellowwood, powder, yellow	23,00 €	12,80 €	7,10 €	4,35 €
5180	Kamala, yellow to orange	27,60 €	15,30 €	9,20 €	4,15 €
5190	Madder root, cut red	30,65 €	17,90 €	10,25 €	4,60 €
5200	Madder root, powder red	30,65 €	17,90 €	10,25 €	4,60 €
5220	Orlean, yellow to orange red	23,00 €	12,80 €	7,10 €	4,35 €
5230	Rathany root, red	20,45 €	11,50 €	6,25 €	3,10 €
5240	Red Sandalwood, finely ground	43,45 €	23,90 €	13,20 €	6,40 €
5245	Red Sandalwood, ground	30,65 €	17,90 €	10,25 €	4,60 €
5270	Onion skins, old yellow				2,30 €

NATURAL DYES

for coloring varnishes

Art.Nr	.	100 g	50 g	10 g	2 g
	EURO	EURO	EURO	EURO	EURO
5210	Cochineal, red	20,00 €	12,00 €	3,85 €	

BALSAMS and VOLATILE OILS

Art.Nr		1 liter	500 ml	250 ml	100 ml
	EURO	EURO	EURO	EURO	EURO
6005	Balsam turpentine	11,95 €	7,70 €	4,65 €	2,60 €
6010	Copaiva balsam, pure, Ia	81,80 €	45,00 €	24,80 €	11,90 €
6020	Eucalyptus oil, pure, Ia	43,45 €	23,90 €	13,20 €	6,40 €
6050	Camphor, natural, japanese, crystalline	52,00 €	30,00 €	18,50 €	7,70 €
6070	Lavender oil, pure, Ia	153,40 €	86,95 €	51,15 €	25,55 €
6080	Lavender oil, IIa	81,80 €	45,00 €	24,80 €	11,90 €
6090	Linseed oil	6,00 €	3,50 €	2,10 €	1,20 €
6100	Linseed oil, cold-pressed, technical	14,85 €	8,95 €	5,10 €	2,30 €
6105	Linseed oil - firnis	9,30 €	5,30 €	2,95 €	1,75 €
6110	Linseed oil - stand oil	11,95 €	7,70 €	4,65 €	2,60 €
6120	Peru balsam, genuine, pure, Ia	130,00 €	72,00 €	40,00 €	23,00 €
6140	Castor oil, softener	14,85 €	8,95 €	5,10 €	2,30 €
6150	Oil of rosemary, pure, Ia	97,15 €	63,90 €	33,25 €	14,35 €
6170	Balsam of tolu, pure, Ia	102,25 €	66,50 €	35,80 €	15,35 €
6180	Grapeseed oil	14,85 €	8,95 €	5,10 €	2,30 €
6190	Spike oil, pure, Ia	127,80 €	71,60 €	43,45 €	17,90 €
6200	Spike oil, IIa	81,80 €	45,00 €	24,80 €	11,90 €

GLUES and PORE FILLER

Art.Nr	.	1 kg	500 g	250 g	100 g
	EURO	EURO	EURO	EURO	EURO
7010	Skin glue, light	7,35 €	5,25 €	2,80 €	1,85 €
7020	Bone glue	5,95 €	3,50 €	2,10 €	1,35 €
7021	Bone glue powder	6,35 €	4,55 €	2,45 €	1,60 €
7025	Hare glue	10,25 €	6,15 €	4,35 €	2,05 €
7030	Cold glue, tin 760 g	5,50 €			
7040	Fish glue - isinglass			140,00 €	65,00 €
7045	Fish glue liquid	33,90 €	17,90 €	10,00 €	4,50 €
7050	Dextrin	15,00 €	8,40 €	4,50 €	2,50 €
7060	Gum arabic	38,90 €	22,00 €	13,00 €	6,50 €
7220	Pore filler, maple	18,00 €	10,00 €	6,00 €	3,00 €
7230	Pore filler, nut tree	18,00 €	10,00 €	6,00 €	3,00 €
7231	Pore filler, nut tree, dark	18,00 €	10,00 €	6,00 €	3,00 €
7240	Pore filler, mahogany light	22,25 €	12,50 €	7,00 €	3,50 €
7241	Pore filler, mahogany medium	22,25 €	12,50 €	7,00 €	3,50 €
7242	Pore filler, mahogany dark	22,25 €	12,50 €	7,00 €	3,50 €
7260	Pore filler, black	38,90 €	22,00 €	13,00 €	6,50 €
7270	Liquid pore filler, for mixing pore filler	31,00 €	17,50 €	10,00 €	5,00 €
7276	Glue cooker, electric 230 V with temp. control	134,00 €			

Titebond - Wood Glue

Art.Nr	3,785 L	946 ml	473 ml	237 ml	118 ml
	EURO	EURO	EURO	EURO	EURO
7100	Titebond - Original	42,40 €	14,30 €	9,70 €	6,10 €
7110	Titebond - Liquid Hide			13,65 €	8,20 €

WOOD CEMENT, WAX CEMENT STICKS, SHELLAC STICKS, etc.

Art.Nr	EURO	200 g EURO	piece EURO	100 g EURO	10 g EURO
7280	Wood cement 0, colorless, maple, spruce		6,95 €		
7281	Wood cement 1, red beech		6,95 €		
7282	Wood cement 2, oak light, birch, cherry tree		6,95 €		
7283	Wood cement 3, oak		6,95 €		
7284	Wood cement 4, oak dark, walnut dark		6,95 €		
7285	Wood cement 5, walnut		6,95 €		
7286	Wood cement 6, mahogany,		6,95 €		
7287	Wood cement 7, limba		6,95 €		
7288	Wood cement 8, pear tree, teak		6,95 €		
7290	Wax cement sticks, various colors			3,95 €	
7300	Shellac stics			3,00 €	
7310				25,00 €	
7420	Lycopodium			7,50 €	1,20 €

VARIOUS ITEMS

Art.Nr	EURO	1 kg EURO	500 g EURO	250 g EURO	100 g EURO
7410	Beeswax, genuine	17,90 €	10,25 €	5,40 €	3,10 €
7430	Potassium silicate	7,70 €	4,10 €	2,55 €	2,10 €
7440	Gum tragacanth			17,90 €	8,20 €
7450	Paraffin, in sheets	6,50 €	4,00 €	2,50 €	1,60 €
7460	Gelatin powder, technical	12,95 €	6,75 €	3,65 €	1,75 €
7470	Imitor, for antiquing varnished instruments	25,50 €	14,75 €	9,25 €	5,10 €
7490	Potash	6,35 €	4,55 €	2,45 €	1,55 €
7491	Eisen- II sulfat	7,70 €	4,10 €	2,55 €	2,10 €
7500	Talcum	3,50 €	2,00 €	1,50 €	1,00 €
7510	Flame soot black	15,35 €	8,45 €	4,65 €	2,55 €

ABRASIVES and POLISHES

Art.Nr	EURO	1 kg EURO	500 g EURO	250 g EURO	100 g EURO
7600	Pumice stone 00, fine	2,90 €	1,85 €	1,25 €	0,80 €
7620	Rottenstone, fine for buffing	5,50 €	3,60 €	2,35 €	1,90 €
7630	Bolus, fine for buffing	3,85 €	2,70 €	1,55 €	1,30 €
7640	Vienna chalk, for bright polishing	4,70 €	2,80 €	1,70 €	1,60 €
7645	Horsetail, powder	15,60 €	9,85 €	6,60 €	3,75 €
7650	Polishing oil Ia	8,50 €	5,10 €	2,95 €	2,50 €
7660	Polishing wadding, 1 packet 200 g	1,75 €			
7670	Buffing water	5,50 €	3,60 €	2,35 €	1,80 €
7690	JOHA® Polishing paste	17,10 €	11,15 €	7,30 €	4,65 €
7700	JOHA® Buffing paste fine	18,50 €	10,85 €	7,60 €	4,95 €
8740	JOHA® High-gloss cleaning and preserving polish	16,30 €	10,60 €	6,95 €	4,40 €

ABRASIVE PAPER especially for musical instruments

Grain 50,60,80,100,120,150,180,220,240,280,320,360,400,500

Art.Nr	EURO	EURO	1pack=50 EURO	10 piece EURO	1 piece EURO
7810			16,00 €	3,60 €	0,40 €
7811				5,10 €	0,55 €
7812				6,00 €	0,65 €
7813				6,40 €	0,70 €

ABRASIVE CLOTH, bonded with synthetic resin

Grain 50,60,80,100,120,150,180,220

Art.Nr	EURO	EURO	EURO	EURO	1 piece EURO
7820					1,65 €
7821					1,80 €
7822					2,00 €

WATER ABRASIVE PAPER

Grain 180,220,240,280,320,360,400,500,600,800,1000,1200

Art.Nr	EURO	EURO	EURO	EURO	1 piece EURO
7830					0,90 €
7831					0,90 €
7832					0,90 €
7833					0,90 €

STEEL WOOL

Art.Nr	EURO	EURO	EURO	EURO	1 piece EURO
7910					4,25 €
7920					3,50 €
7930					2,95 €
7940					2,95 €
7950					2,95 €

Abrasive cushion

Art.Nr	EURO	EURO	EURO	EURO	piece EURO
7990					0,95 €

JOHA® VARNISH AND MUSICAL INSTRUMENT CARE PRODUCTS

Art.Nr	EURO	25 piece EURO	20 piece EURO	1 dozen EURO	piece EURO
8610 JOHA® Varnish cleaner 30 ml				39,50 €	3,95 €
8630 JOHA® Fingerboard oil 30 ml				41,00 €	4,10 €
8640 JOHA® Block flute oil 30 ml				32,00 €	3,20 €
8660 JOHA® String oil 30 ml				32,00 €	3,20 €
8670 Peg soap, wrap in silver paper			29,00 €		1,95 €
8730 JOHA® Cleaning and care set				129,50 €	12,95 €

JOHA® VARNISH AND MUSICAL INSTRUMENT CARE PRODUCTS

Art.Nr	EURO	1 liter EURO	500 ml EURO	250 ml EURO	100 ml EURO
8611 JOHA® Varnish cleaner		30,50 €	19,95 €	11,95 €	6,75 €
8631 JOHA® Fingerboard oil		30,50 €	19,95 €	11,95 €	6,75 €
8741 JOHA® High-gloss cleaning and preserving polish		16,30 €	10,60 €	6,95 €	4,40 €
8750 JOHA® Polishing paste		17,10 €	11,15 €	7,30 €	4,65 €
8760 JOHA® Buffing paste, fine		18,50 €	10,85 €	7,60 €	4,95 €

VARNISH BRUSHES

for varnishing musical instruments

Varnish brushes – type N

Number	9105	9110	9112	9115	9117
size	½ Zoll	1 Zoll	1 ¼ Zoll	1 ½ Zoll	1 ¾ Zoll
	7,10 Euro	10,20 Euro	12,80 Euro	15,15 Euro	17,90 Euro
number	9120	9125	9130	9140	
size	2 Zoll	2 ½ Zoll	3 Zoll	4 Zoll	1 Zoll
	21,75 Euro	29,15 Euro	36,85 Euro	55,45 Euro	= ca. 2,5 cm

Varnish brushes – type W, especially soft bristles

number	9205	9210	9212	9215	9217
size	½ Zoll	1 Zoll	1 ¼ Zoll	1 ½ Zoll	1 ¾ Zoll
	9,90 Euro	12,90 Euro	15,85 Euro	18,95 Euro	24,10 Euro
number	9220	9225	9230	9240	
size	2 Zoll	2 ½ Zoll	3 Zoll	4 Zoll	1 Zoll
	25,75 Euro	31,55 Euro	41,65 Euro	59,50 Euro	= ca. 2,5 cm

Retouching brushes, pointed, the finest special quality red marten.

number	9300	9301	9302	9303	9304	
size	0	1	2	3	4	
	2,55 Euro	2,80 Euro	3,05 Euro	4,05 Euro	5,10 Euro	
number	9305	9306	9307	9308	9309	9310
size	5	6	7	8	9	10
	6,25 Euro	7,55 Euro	11,95 Euro	16,65 Euro	22,50 Euro	29,55 Euro

Retouching brushes, flat, the finest special quality red marten.

number	9802	9804	9806	9808	9810
size	2 2mm	4 4mm	6 6mm	8 8mm	10 10mm
	3,50 Euro	4,10 Euro	5,65 Euro	7,50 Euro	9,30 Euro
number	9812				
size	12 12mm				
	12,25 Euro				

Staining brushes, round, without metal

number	9404	9406	9408	9410	9412
size	4 20mm	6 25mm	8 30mm	10 35mm	12 40mm
	1,25 Euro	1,50 Euro	1,95 Euro	2,55 Euro	3,35 Euro

Glue brushes, round, special model, tied on with twine, **without metal**

number	9602	9604	9606	9608	9610
size	2 10mm	4 15mm	6 20mm	8 22mm	10 25mm
	3,90 Euro	5,40 Euro	6,30 Euro	7,60 Euro	9,20 Euro
number	9612				
size	12 30mm				
	10,90 Euro				

Stiff wiping brushes, round, with harder bristles, for cleaning in corners after buffing

number	9702	9704	9706	9708	9710
size	2 5mm	4 8mm	6 10mm	8 12mm	10 15mm
	1,40 Euro	1,50 Euro	1,70 Euro	2,00 Euro	2,45 Euro
number	9712				
size	12 18mm				
	3,10 Euro				

