

# TOWERS+

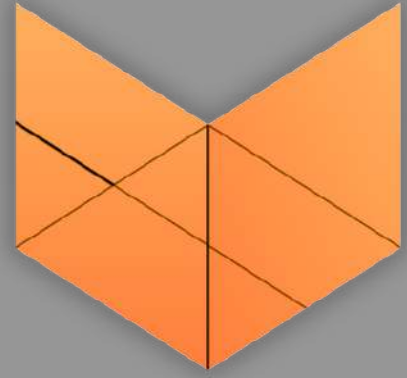
## DISCREET SPEECH PROTECTORS

The TOWERS+ Speech Protectors are discreet and very efficient. The design of the speech protectors set does not disrupt the meeting as it resembles a speaker. Not only are the speech protectors made of quality oak wood and look like a luxury home theatre audio speakers, but they also protect you from leaks. The set is also available in several colours, from which you can choose as you like.



TOWERS+ is a more powerful version of the TOWERS jammers, one of our best-selling products. It consists of four pieces, and you can choose the look of your preference from our colour catalogue. There is also an app available for the jammers that is compatible with both iOS and Android. Compared to its predecessor, the TOWERS+ also has a signal jamming function.

Thanks to the similarity to loudspeakers, no one will suspect that these are jammers, so your meetings can proceed completely undisturbed. The TOWERS+ listening and signal jammers protect up to 30 metres away. They combine ultrasonic noise, which drowns out nearby eavesdropper microphones, together with acoustic noise. This combination delivers the most advanced and best possible protection against unwanted eavesdropping and signals. Another advantage is that you can record your own voice into the acoustic noise, which the jammer will then generate to drown out your conversation.



### Single Speech Protector Specifications

- > Ultrasonic noise effectively protects against recording devices, but does not disrupt the course of the meeting.
- > Ultrasonic noise of one speech protector reliably blocks microphone devices in a range up to 5 meters (16ft), protecting you against eavesdropping.
- > The acoustic noise generator effectively overlaps your conversations so no one is able to eavesdrop with a stethoscope or a laser microphone.
- > The speech protector can generate your own pre-recorded voice as acoustic noise.
- > You can adjust the intensity as well as the listening and signal interference modes.



The jammer completely overwhelms the microphones



Combination of acoustic and ultrasonic noise provides the best protection against eavesdropping



App available for Android and iOS

# TOWERS+

## Three Levels of Protection:

### > Discreet Protection

Generates ultrasound and silent acoustic noise. This mode allows you to negotiate comfortably while protecting against most covert recording devices and bugs.

### > Highly Effective Protection

Generates both ultrasound and acoustic noise while interfering with the mobile networks in range. Protects against high-quality voice recorders and location tracking. The jammer interferes with the entire 360 degree range.

### > Maximum Protection

Generates ultrasound and loud acoustic noise. Provides maximum protection of confidential information even at the cost of reduced comfort during negotiations.

## Easy to Use

Handling our TOWERS jammers is very simple. Just place them in the location you want to protect from eavesdroppers. Remember that the effective distance is a maximum of 5 metres when using ultrasound, and up to 30 metres for acoustic noise. There is no need to configure anything, you simply plug the jammers into the electricity and control them with a few buttons or a remote control. You can switch between the different modes:

- > **A: Ultrasound + jammer**
- > **B: Ultrasound + sound**
- > **C: Ultrasound + sound + jammer**
- > **D: Device off** – protection is off.

If you want to record a custom recording into the TOWERS jammers to generate acoustic noise, press the volume button for 5 seconds. The LED above it will then flash. While the LED is flashing, speak any text for at least 3 minutes. When recording, you should be at a distance of 10-20 cm from the device and in a quiet environment. Then press the volume button again to stop recording and the LED will stop flashing.

### In case you want to use a recording from your mobile phone:

- 1 Register Bluetooth to your phone  
(Settings > Bluetooth > Towers > Connect)
- 2 Launch audio on your phone
- 3 Press and hold the volume button for 10 seconds (or button C on the remote control) until the sound signal
- 4 When finished, press the button again

- ✓ Digital and analog voice recorders.
- ✓ Voice recorders in mobile phones.
- ✓ Eavesdropping remotely through windows using laser and stethoscope microphones.
- ✓ Built-in and directional microphones.

## Single Speech Protector Specifications



### Weight

6,7 kg (14.7 lbs)



### Range

**Acoustic Voice Mix**  
up to 30 meters (98 ft)\*

**Ultrasound**  
up to 3 meters (10 ft)\*

**Jammer**  
10 - 30 m  
(108-323 ft )



### Intensity of Ultrasonic interference

110 x 128-132 dB



### Output of Acoustic Interference

9W



### Dimensions

19 cm x 113,5 cm x 19 cm

(7 in x 45 in x 7 in)



### Jack

3,5 mm (0.13 in)\*\*



### Colours

Several colours to choose from

\*Each device can have an individual range. This applies to a single piece pointed in one direction - from the center of the table to one speech protector.

\*\*An external speaker can be connected for better acoustic quality.

## Safety Information

Make sure that the supply voltage corresponds to the voltage specified in the documentation.

### Please comply with the following safety precautions:

- Avoid contact with water and areas of high humidity at all times. The device should not be exposed to dripping and/or splashing water. When cleaning the device use dry materials only. Make sure to protect the equipment from rain.
- Do not use the device in areas with extreme temperatures. We recommend using it in an environment with temperature between 0° and 45°. Do not install the device near heat sources.
- Avoid contact with parts that conduct electricity. Please, do not remove the cover or casing of the device in any way to avoid the risk of electric shock.
- In case there is a ventilation opening on the device, make sure it does not get blocked.
- Use only accessories that were specified and supplied by the manufacturer.
- Make sure to not place the device on top of other electronic devices or place electronic equipment on top of the supplied device.
- Do not place the device close to your ears. It emits high frequency sounds that may damage your hearing. Prolonged use of the device at high volume may cause hearing damage. Use the device only when necessary and at the appropriate volume.
- Do not tamper with the power cord in any way. If the power cord is mechanically damaged, stop using the device immediately. Mechanically damaged cables, ruptured insulation or frayed cables pose a risk of electric shock and also risk of fire.
- If necessary, have the equipment serviced by qualified personnel and do not attempt to repair the device yourself.
- Be wary of open flame – the equipment is made of flammable materials. Never bring it close to an open fire.
- The electrical plug must remain easily accessible in case of an emergency shutdown. Do not overload the sockets with the plugged device.
- Be at least 1.5 meters (5 ft) away from the device.

## Important

When using the ultrasonic noise generator to overwhelm all microphones in the vicinity, certain limitations may arise due to the laws of physics. Some of the microphone designs may be more susceptible to be jammed than others. Therefore, the effectiveness may be different for each of the designs. The maximum effective range of the generator can therefore also vary by up to several times depending on the type of the microphone. Additionally, the generated ultrasonic noise can bounce off different surfaces and is unable to penetrate most materials to any greater depth. It is recommended to use a sufficient number of devices and then position them appropriately in the room to ensure the best possible protection of privacy during meetings.

For the best possible protection, we recommend using the acoustic noise function which allows you to record your own voice in your own language and overlap your conversation with it. The recorded voice is then randomly generated to create a sound barrier against eavesdropping via a stethoscope and laser microphones. Additionally, it protects against the most cutting-edge forensic cleaning technologies.

Although the device does not guarantee a 100% jamming effectiveness, it greatly outperforms competing solutions. Due to its configuration, it can guarantee high effectiveness when used against microphones on devices such as dictaphones, wiretaps and seismic microphones, computer microphones, headsets, cameras and mobile phones.

Learn more:



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**CATALOGUE OF COLOURS**  
**FOR TOWERS AND SAFEBOX**



**EO SECURITY S.R.O.**

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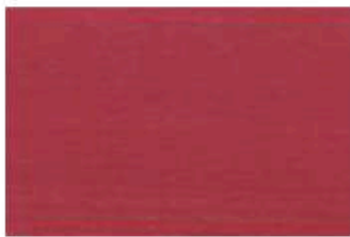
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# SOLVENT-BASED DYES

XM 8000/XX



07 golden yellow



08 amaranth



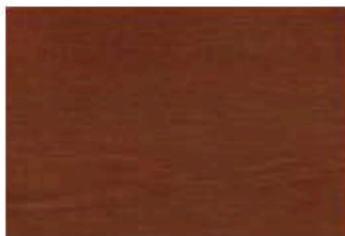
13 white



14 night blue



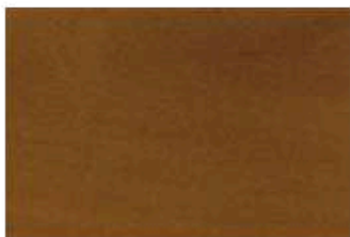
25 red



56 cherry



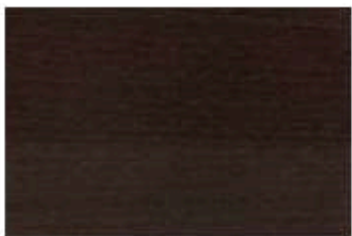
69 orange



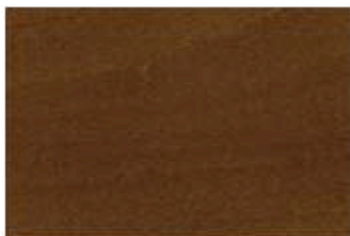
70 honey



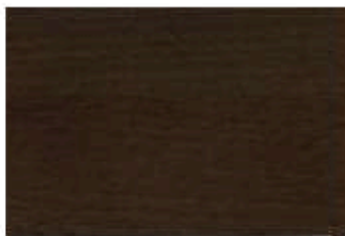
72 black



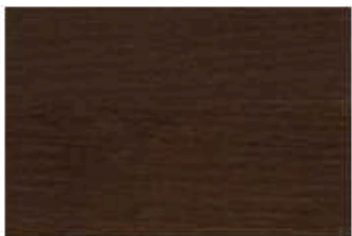
76 wenge



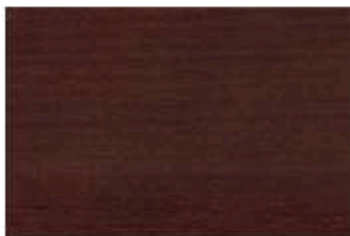
80 oak



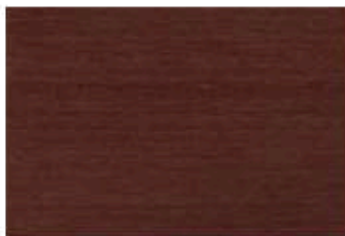
84 Brenner walnut



87 antique walnut



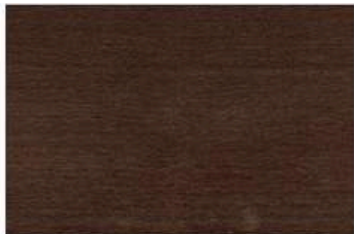
88 walnut brown



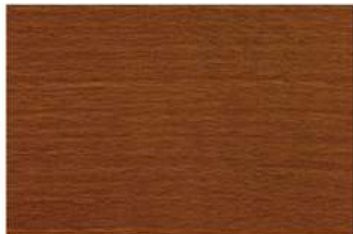
90 mahogany

# SOLVENT-BASED DYES

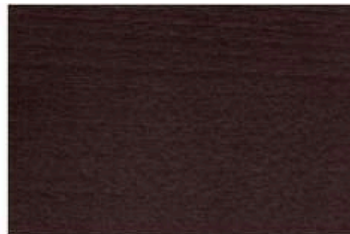
XM 8000/XX



92 walnut



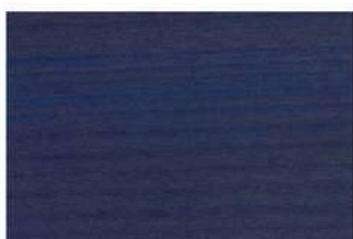
93 pale walnut



96 rosewood



54 yellow



56 Elba blue

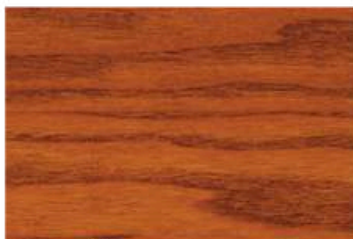


58 green

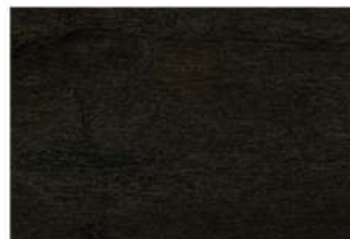
XP 1880/XX



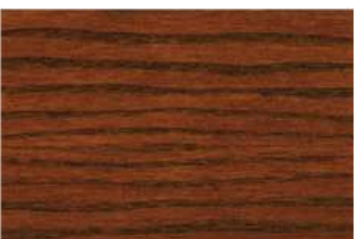
07 yellow



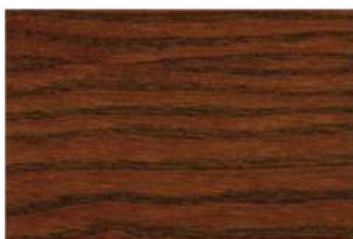
08 red



22 black



90 mahogany



92 walnut

# SOLVENT-BASED DYES

XM 7100/XX



04 yellow



13 white



14 dark blue



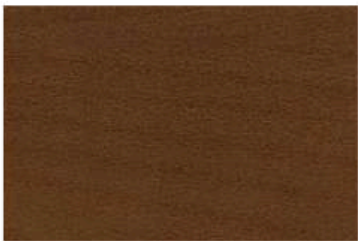
25 flame red



26 bright red



72 black



87 antique walnut



90 mahogany



# SOLVENT-BASED DYES

XC 1900/XX



04 yellow



08 red



14 dark blue



22 black



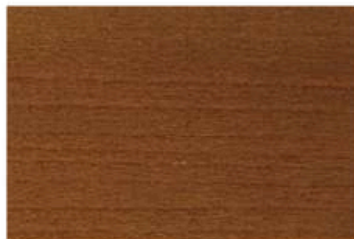
25 light red



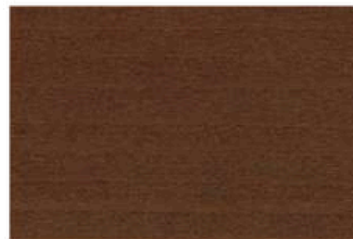
42 green



69 orange



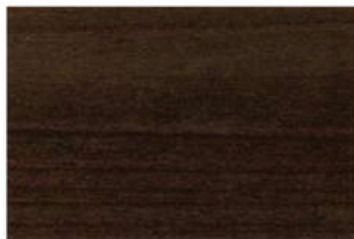
89 teak



90 mahogany



92 walnut



95 dark walnut



96 rosewood

# WATER-BASED DYES

AC 600/XX



07 golden yellow



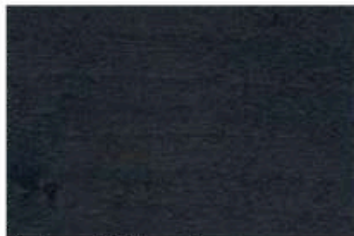
08 red



09 orange



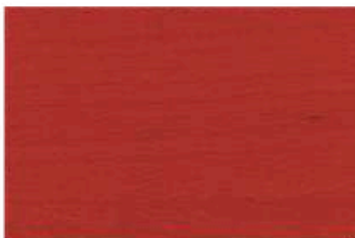
13 white



14 blue



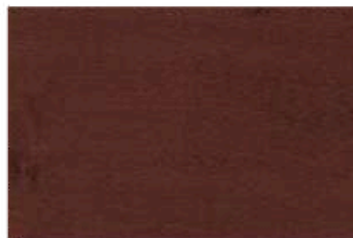
17 pale yellow



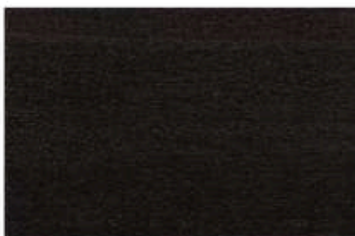
39 Indian red



42 green



56 cherry



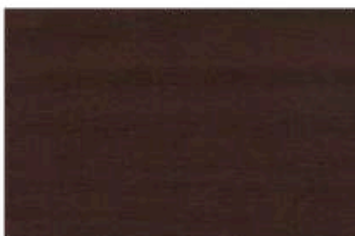
72 black



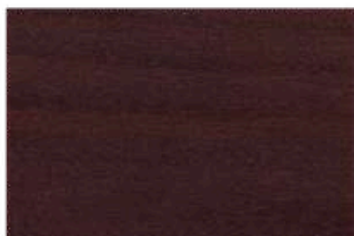
76 wenge



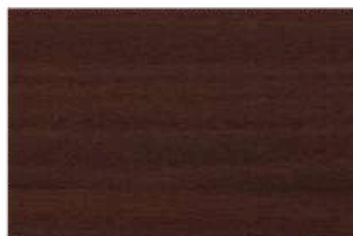
84 Brenner walnut



87 antique walnut



90 mahogany



93 light walnut

# WATER-BASED DYES

AC 600/XX

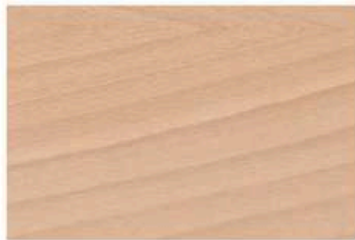


94 medium walnut

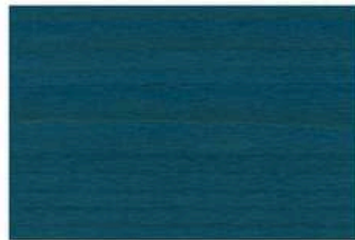
AC 1810/XX



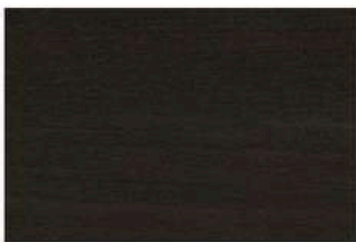
07 golden yellow



13 white



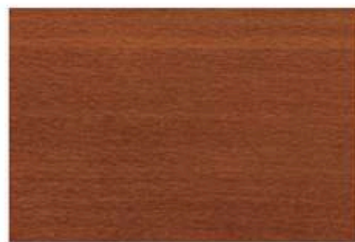
14 blue



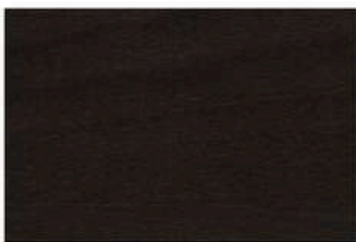
22 black



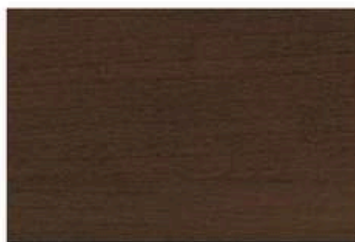
26 bright red



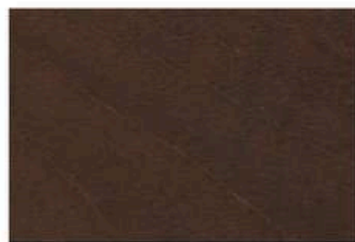
56 cherry



76 wenge



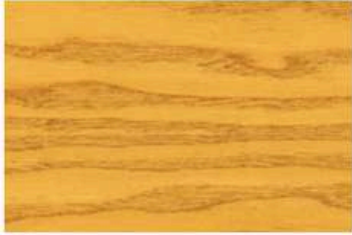
93 pale walnut



94 medium walnut

# WATER-BASED DYES

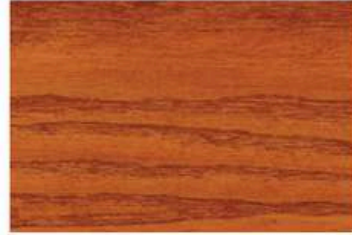
AP 1221/XX



07 golden yellow



08 red



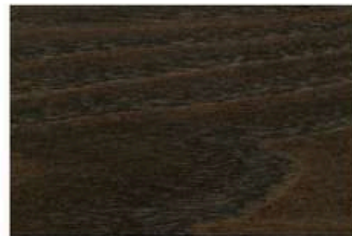
09 orange



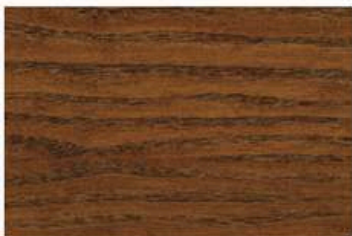
22 black



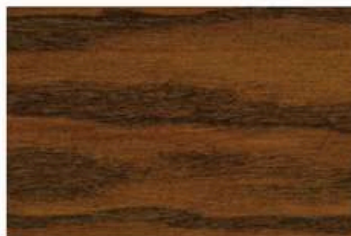
56 cherry



76 wenge



92 walnut



95 dark walnut

# WATER-BASED UNIVERSAL DYES

AC 2110/XX



0/ golden yellow



13 white



14 blue



22 black



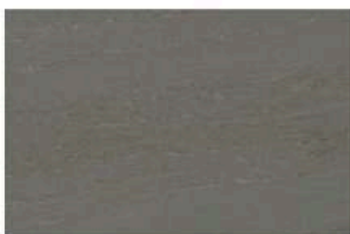
26 bright red

Below, some examples of colours obtained by mixing the basic dyes



cream

AC 2110/13 97,7% + AC 2110/07 0,8% + AC 2110/26 0,8% + AC 2110/22 0,7%



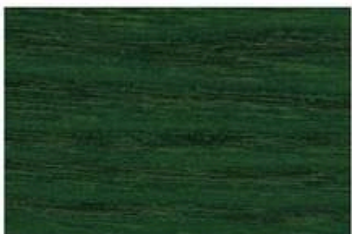
gray

AC 2110/13 92% + AC 2110/22 8%



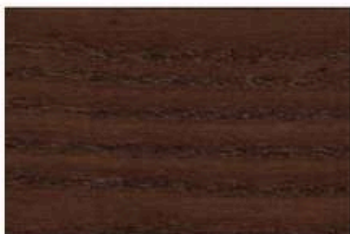
orange

AC 2110/07 70% + AC 2110/26 30%



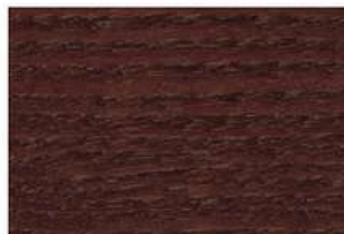
green

AC 2110/07 56% + AC 2110/14 36% + AC 2110/22 8%



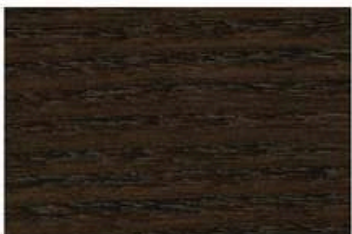
red walnut

AC 2110/07 30% + AC 2110/07 2,6% + AC 2110/26 1,4%



mahogany

AC 2110/07 19% + AC 2110/26 65% + AC 2110/22 16%



dark walnut

AC 2110/07 30% + AC 2110/26 30% + AC 2110/22 40%



peach

AC 2110/13 96% + AC 2110/07 2,6% + AC 2110/26 1,4%



sage

AC 2110/13 92% + AC 2110/07 4% + AC 2110/14 3,2% + AC 2110/22 0,8%

# WATER-BASED UNIVERSAL DYES

AC 2110/XX



honey

AC 2110/07 81 % + AC 2110/26 14 % + AC 2110/22  
5 %



blond walnut

AC 2110/07 60 % + AC 2110/26 28 % + AC 2110/22  
12 %



brown black

AC 2110/26 23 % + AC 2110/22 77 %

# SOLVENT-BASED ANTIQUE DYES

LO 6675



34 gold

# ADDITIONAL INFORMATION

## **XM 8000/XX**

Solvent based concentrated stains for general purpose, to be applied directly on bare wood after dilution. Suitable for panels, fitted furniture, doors, etc. Application method: spray, spray and wiping, roller coater (with proper binder).

## **XP 1880/XX**

Solvent based stains to be applied directly on bare wood. Very good harmonizing properties, excellent pore wetting. Particularly recommended for old style or reproduction furniture, to which they confer a unique antique look. Application method: brush, wiping, spray and wiping.

## **XM 7100/XX**

Solvent based concentrated stains for general purpose, to be applied directly on bare wood after dilution. Good harmonizing effect. Suitable for panels, fitted furniture, doors etc. Pastel colors can be obtained by blending XM 7100/13, white stain, with another XM 7100 stain of the desired shade. Application method: spray.

## **XC 1900/XX**

Solvent based concentrated stains specially recommended for tinting polyurethane and nitrocellulose coatings, for staining/harmonizing purposes. They may also be used as shading stains (spray colors) between basecoat and topcoat. Application method: add from 0,5 to 4% into basecoats or topcoats according to the color desired.

## **AC 600/XX**

Waterborne concentrated stains for general purpose, to be applied directly on bare wood after dilution. Particularly suitable for dipping application on chairs and turned parts. Application method: by dipping (with binder XX 4130), spray, spray and wiping, brush, roller coater (check the technical data sheet).

## **AC 1810/XX**

Harmonising stain, can be covered specially with water-based coatings, harmonising effect on uneven woods, can be diluted with water and alcohol. Application method: automatic and manual spray guns, dipping (with proper binder).

## **AP 1221/XX**

Waterborne harmonizing glaze specially suitable for oak furniture and reproduction furniture. Excellent harmonizing effect on uneven wood. Better pore filling and limited fibre raising than with conventional waterborne stains thanks to its high solids content. Application method: spray and wiping.

## **AC 2110/XX**

Waterborne concentrated stains for general purpose. Overcoatable with waterborne and solvent borne coatings, without bleeding. Harmonising effect on uneven wood, high transparence, brightness and excellent pore marking.

## **LO6675/34**

Gold antique stain suitable on surfaces coated with polyurethane coatings. Recommended for assembled furniture, kitchen doors, picture frames. Application method: spray gun.