

Colored primers

Color card



Medium walnut
Hydrocrom XHT 8



Oak
Hydrocrom XHT 9



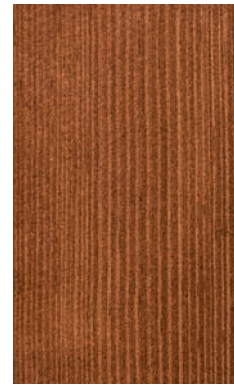
Fir
Hydrocrom XHT 10



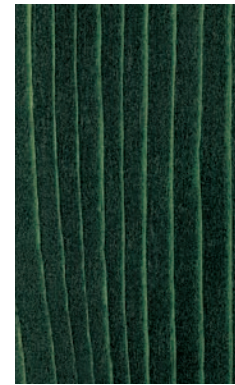
Douglas
(YWT)
Hydrocrom XHT 11
Xilocrom YWT 41



Teak
(YWT)
Hydrocrom XHT 12
Xilocrom YWT 42



Walnut
(YWT)
Hydrocrom XHT 13
Xilocrom YWT 43



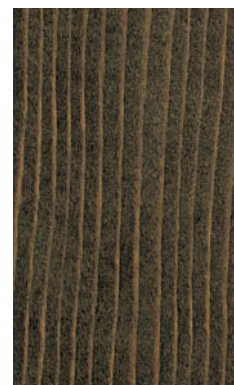
Forest green
(YWT)
Hydrocrom XHT 14
Xilocrom YWT 44



Light walnut
(YWT)
Hydrocrom XHT 15
Xilocrom YWT 45



Fair walnut
(YWT)
Hydrocrom XHT 16
Xilocrom YWT 46



Antique walnut
(YWT)
Hydrocrom XHT 17
Xilocrom YWT 47



Mahogany
(YWT)
Hydrocrom XHT 18
Xilocrom YWT 48



Myrtle
Hydrocrom XHT 19



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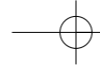
Hydrocrom and Xilocrom

WATER AND SOLVENT-BASED PRODUCTS FOR EXTERIORS



AN IVM CHEMICALS' BRAND

ivm Chemicals
coatings & polymers technologies



Hydrocrom and Xilocrom

Milesi products were born in 1947 in Italy, from **Milesi spa**, a company specialized in the production of coatings, stains and primers for wood.

In 1970, **Milesi spa** became part of IVM, the most important multinational Group in Europe, and among the first groups in the world in this sector. It has Subsidiaries in Italy, France, Spain, Germany, Greece and Poland, distributing in over 70 Countries thanks to a highly specialized Sales Network.

In 2007, **IVM Chemicals originated** from the merger **between Milesi and the other Italian Companies of the Group**, and at the same time it was created the **International Development Division**, exclusively dedicated to the distribution of **Milesi** products all over the world.

The project involves the building of a highly productive plant, thanks to the possibility offered by the processing of quantities never managed before by a single plant.

IVM Chemicals plant is **the largest and most modern manufacturing establishment in the world**, designed to guarantee high process standardization, the constant possibility to intervene with tests and quality controls, the optimization of loading operations and a complete control of raw materials and finished products.

Milesi products have been studied and developed by over **200 researchers** who, **in the European Research and Development labs of the Group**, work every day in constant telematic contact for the future of wood coatings, with the most technologically advanced instruments.

Water and solvent-based products for exteriors

Wooden items for exteriors must be protected with care: light, rain, frost and pollution, sudden changes in temperature, and unwanted guests, such as moulds and parasites, constantly menace the beauty of window frames and front doors, rolling shutters and shutters, attics and floors, trusses and fences, garden furniture, chalets and barns. **Hydrocrom and Xilocrom** are **Milesi** specific product lines which guarantee an excellent, constant and long lasting protection of wood from external attacks over time. They also enhance its beauty and defend it from the aggression of atmospheric and biological agents.

Hydrocrom and Xilocrom are two complete lines, water and solvent-based, adapting to the widest range of coating cycles and to all application systems in their sector, from the handcrafted to the industrial ones. All products are available in different packagings to answer all users' needs.

They are ideal also for wood maintenance over time and for the recovery of old woodwork. They are also perfect for all types of wood commonly used for exteriors, such as coniferous and broad-leaved.

Product range includes:

Hydrocrom Line, water-based wood primers and top-coats for exteriors:

Clear and colored primers

Clear and pigmented intermediate base-coats

Clear and pigmented matt top-coats

Clear and pigmented maintenance products

Xilocrom Line, solvent-based wood primers and top-coats for exteriors:

Colored and clear primers

Clear, matt, synthetic top-coats, wax-effect

Matt, clear, synthetic top-coats

Clear, glossy, synthetic top-coats

Products for maintenance

This range allows satisfying any finish requirement, combined with the most different types of application systems available in this sector.

Factors determining the choice of a coating cycle

SURFACE Various types of wood are used: **conifer wood** such as Pine, Douglas, Yellow Pine, Larch, White and Red Fir, Hemlock, Cypress; **Broad-leaved woods** such as Meranti, Chestnut, Oak, Iroko, Teak, Niangon, and Walnut.

APPLICATION The application can be made using various kinds of plants. *Primers* are applied by brush, immersion or flow-coating. *Base-coats* are commonly applied by spray, immersion, flow-coating or brush. *Top-coats* are normally realized by high pressure spray plants, by brush or manual spray-gun. Maintenance products are applied by brush.

DRYING In hand-crafted cycles, drying is made at room temperature; in semi-industrial or industrial cycles it can be forced with hot air.

AESTHETIC EFFECT Though giving importance to the final aesthetic effect, the coating of outdoor manufactures must guarantee the utmost protection of the item both from biological agents such as moulds, mildews, parasites, and from atmospheric agents, such as light, rain, frost, pollution, and sudden changes in temperature.

Suggested coating cycles must ensure resistance to deterioration and allow easy maintenance of the coated wood. The most requested aesthetic effects are clear finishes, both on plain or colored wood, or, in good percentage, lacquered top-coats.

Product range

Hydrocrom

Water-based wood primers, base and top-coats for exteriors

Product	Application
XHC 1 Leveling Primer	Brush, Dipping or Immersion
XHC 3 Clear primer for conifer wood	Brush, Dipping or Immersion
XHC 4 Clear primer for beams	Brush, Impregnation machine
XHC 5 Clear primer for Iroko	Brush, Dipping or Immersion
XHC 6 Clear primer, wax effect	Brush
XHC 7 Clear, leveling primer for composites	Brush, Dipping or Immersion
XHC 20 Clear primer for broad-leaved wood	Brush, Dipping or Immersion
XHT 8 - 19 Series Colored primers for conifer wood	Brush, Dipping or Immersion
XHT 410 - 418 Series Colored primers for beams	Brush, Impregnation machine
XHT 610 - 618 Series Colored primers, wax effect	Brush
XHT 709 - 719 Series Colored, leveling primers for composites	Brush, Dipping or Immersion

HMT Pastes for primers				
HMT 3 Yellow	HMT 4 Green	HMT 5 Red	HMT 8 Brown	HMT 9 Black

HMT HYDROPAST Pastes for pigmented coats				
HMT 10 White	HMT 20 Yellow	HMT 21 Lemon yellow	HMT 22 Warm yellow	HMT 23 Oxide yellow
HMT 40 Green	HMT 50 Red	HMT 51 Magenta red	HMT 53 Oxide red	HMT 60 Bordeaux
HMT 70 Violet	HMT 80 Blue	HMT 90 Black		

XBC 1 Clear base-coat FC	Dipping or immersion
XBC 2 Clear base-coat for spray application	Brush, Spray
XBC 4 Clear base-coat FC	Dipping or immersion
XBT 10 White base-coat	Brush, Spray
XBT 11 White base-coat HK	Spray
XBT 11 M White base-coat HK	Brush
XGC 33 Clear top-coat for maintenance	Brush
XGC 43 M Wheat color top-coat for maintenance	Brush
XGC 35 Regenerative for maintenance	Soft cloth
XGC 43 Clear, matt top-coat	Spray
XGC 053 High coverage top-coat	Spray
XGC 073 Wheat color top-coat	Spray
XGC 73 Waterproof top-coat	Spray
XGC 03 M Clear converter for maintenance	Brush
HZT 12 White converter for maintenance	Brush
XKT 110 White, pigmented, matt top-coat	Brush, Spray
HZC 03 Neutral converter op. 30	Brush, Spray
HZT 12 White converter op. 30	Brush, Spray

Xilocrom

Solvent-based wood primers and top-coats for exteriors

Product	Application
YWC 30 Clear primer	Brush, Dipping or immersion
YWT 41 - 48 Series Pigmented primers	Brush, Dipping or immersion
YEC 20 Regenerative, protective for exteriors	Cloth, Brush
YEC 041 Clear, matt top-coat, wax effect	Brush, Spray, Dipping or immersion
YEC 44 Matt, clear, tixotropic top-coat, high dry residue	Spray
YEC 48 Clear, matt tixotropic top-coat, fast drying	Spray
YEC 840 Glossy, clear top-coat	Brush, Spray
YEC 841 Matt, clear top-coat	Brush, Spray

