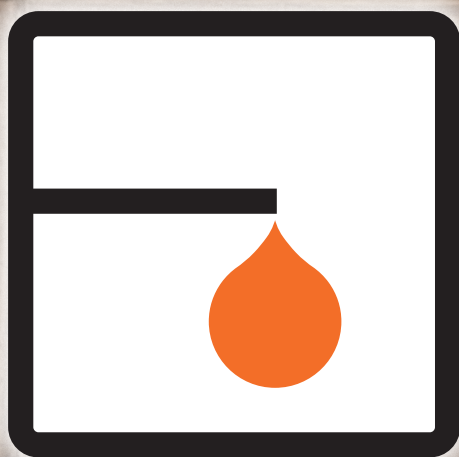


MTU SERIES



ADLER

Made in Italy



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MTU SERIES



MTU431
Giallo Limone
Lemon Yellow
Amarillo Limón



MTU433
Giallo G
Yellow G
Amarillo G



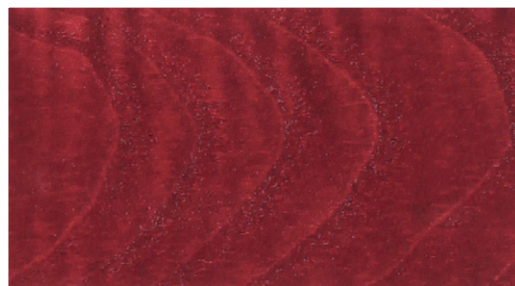
MTU434
Giallo R
Yellow R
Amarillo R



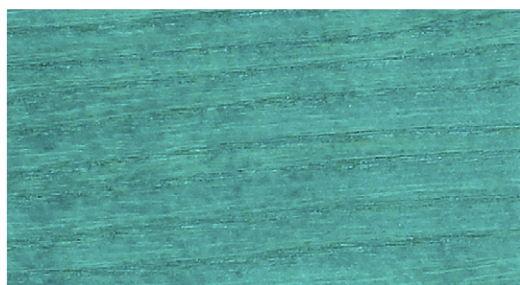
MTU421
Arancio
Orange
Naranja



MTU483
Rubino
Rubine
Rubí



MTU484
Rosso
Red G
Rojo G



MTU440
Turchese
Turquoise
Turquesa



MTU462
Nero
Black
Negro



MTU454
Bruno chiaro
Light Brown
Pardo Claro



MTU455
Bruno scuro
Dark Brown
Pardo Oscuro

(IT) Gli MTU sono soluzioni ad alta concentrazione di coloranti universali non ADR per la preparazione di tinte per legno. Le principali caratteristiche sono: tonalità molto intense, elevata brillantezza e trasparenza, buona resistenza alla luce, elevata compatibilità con un'ampia gamma di solventi e con acqua.

(EN) MTU Series are highly concentrated universal non-hazardous dyes to employ for the preparation of wood stains. MTU's main characteristics are: vibrant shades, high brilliance and transparency, good light fastness, and very good compatibility with a wide range of solvents and also with water.

(ES) Los MTU son soluciones con una alta concentración de colorantes universales no peligrosos, utilizados en la preparación de tintes para madera. Las principales características son: tonalidades muy intensas, alto brillo y transparencia, buena resistencia a la luz, alta compatibilidad con una amplia gama de disolventes y también con agua.

(IT) Applicazioni a **spruzzo** su frassino. MTU: 5%, DIL84: 95%. Valore puramente indicativo del tono. Sovraverniciatura con fondo e finitura acrilici.

(EN) **Spray** applications on ash. MTU: 5%, DIL84: 95%. The value of the shade is purely indicative. Overcoating consists of acrylic sealer and top coat.

(ES) Aplicaciones a **pistola** sobre fresno. MTU: 5%, DIL84: 95%. Puramente indicativo del tono. Sobre barnizado con fondo y acabado acrílico.

MTU → CWS (Concentrates Water Solvent)

(IT) Applicazioni a **spruzzo e straccio** su rovere. CWS: 15%, DIL84: 65%, PLC46: 20%. Valore puramente indicativo del tono. Sovraverniciatura con fondo e finitura acrilici.
(EN) **Spray and wipe** applications on oak. CWS: 15%, DIL84: 65%, PLC46: 20%. The value of the shade is purely indicative. Overcoating consists of acrylic sealer and top coat.
(ES) Aplicaciones a **pistola y trapo** sobre roble. CWS: 15%, DIL84: 65%, PLC46: 20%. Puramente indicativo del tono. Sobrebarnizado con fondo y acabado acrílico.

CWS → MTU mix + MP

e.g. MTU mix (40,00%) + MP (60,00%)

MP → 1-METHOXY-2-PROPANOL CAS: 107-98-2

CWS Conc. Medium Walnut

MP: 63,66%
MTU434: 13,13%
MTU484: 7,56%
MTU462: 15,65%



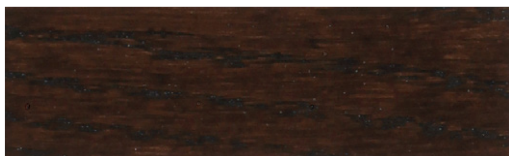
CWS Conc. Green Walnut

MP: 54,85%
MTU434: 22,85%
MTU484: 3,65%
MTU462: 18,65%



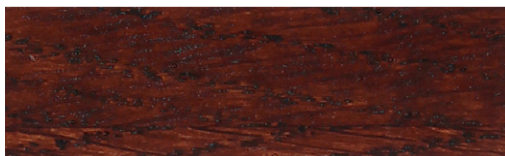
CWS Conc. Warm Walnut

MP: 57,87%
MTU434: 16,67%
MTU484: 9,26%
MTU462: 16,20%



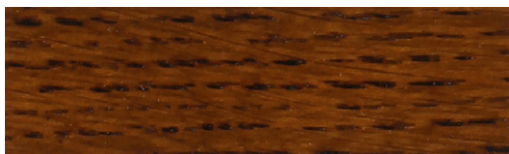
CWS Conc. Mahogany

MP: 60,00%
MTU434: 9,23%
MTU484: 20,51%
MTU462: 10,26%



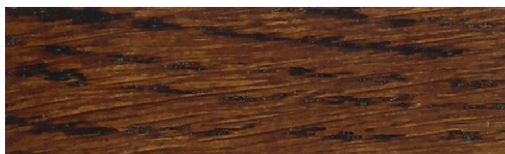
CWS Conc. Light Cherry

MP: 60,00%
MTU434: 24,28%
MTU484: 10,01%
MTU462: 5,71%



CWS Conc. Natural Walnut

MP: 60,00%
MTU434: 26,42%
MTU484: 4,00%
MTU462: 9,58%



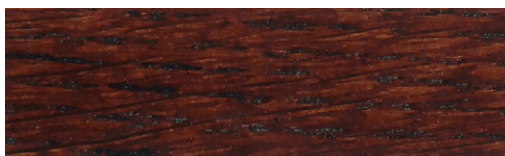
CWS Conc. Dark Walnut

MP: 58,42%
MTU434: 12,66%
MTU484: 10,52%
MTU462: 18,40%



CWS Conc. Dark Mahogany

MP: 57,37%
MTU434: 12,67%
MTU484: 16,93%
MTU462: 13,03%



CWS Conc. Cherry

MP: 58,82%
MTU434: 14,93%
MTU484: 19,46%
MTU462: 6,79%



CWS Conc. Coffee Wengé

MP: 62,76%
MTU434: 1,67%
MTU484: 6,28%
MTU462: 29,29%



TONER → CWS

“SPRAY AND WIPE” CARRIER → DIL84 (76,50%) + PLC46 (23,50%)

MTU + PCE411 → SOLVENT-BASED PASTEL STAINS

(IT) Applicazioni a **spruzzo e straccio** della corrispondente formula su rovere. Valore puramente indicativo del tono. Sovraverniciatura con fondo e finitura acrilici.
(EN) **Spray and wipe** applications of the formula on oak. The value of the shade is purely indicative. Overcoating consists of acrylic sealer and top coat.
(ES) Aplicaciones a **pistola y trapo** de la fórmula correspondiente sobre roble. Puramente indicativo del tono. Sobre barnizado con fondo y acabado acrílico.

PCE411 → SOLVENT-BASED WHITE CONCENTRATE N.F.
PLC46 → BINDER FOR RAGGING STAINS N.F.
DIL84 → ADLER NITRO THINNER

Rovere / Oak / Roble



White



DIL84: 60,00%
PLC46: 20,00%
PCE411: 20,00%

Grey #1



DIL84: 59,70%
PLC46: 20,00%
PCE411: 20,00%
MTU462: 0,30%

Grey #2



DIL84: 59,40%
PLC46: 20,00%
PCE411: 20,00%
MTU462: 0,60%

Past. Red



DIL84: 59,60%
PLC46: 20,00%
PCE411: 20,00%
MTU484: 0,40%

Past. Yellow



DIL84: 59,60%
PLC46: 20,00%
PCE411: 20,00%
MTU434: 0,40%

Past. Blue



DIL84: 59,50%
PLC46: 20,00%
PCE411: 20,00%
MTU440: 0,50%

Past. Green



DIL84: 59,50%
PLC46: 20,00%
PCE411: 20,00%
MTU440: 0,40%
MTU434: 0,10%

Past. Brown #1



DIL84: 59,60%
PLC46: 20,00%
PCE411: 20,00%
MTU454: 0,40%

Past. Brown #2



DIL84: 59,60%
PLC46: 20,00%
PCE411: 20,00%
MTU455: 0,40%

TONER → PCE411 + MTU mix
"SPRAY AND WIPE" CARRIER → DIL84 (75,00%) + PLC46 (25,00%)

STAIN GUIDE FORMULAE

(IT) Miscelando gli **MTU** e diluendoli con **MP** (1-metossi-2-propanolo, CAS 107-98-2) si ottengono **tinte trasparenti bisolubili a concentrazione intermedia**, più semplicemente abbreviate in **CWS**. Percentuali consigliate: MTU mix (35-40%), MP (60-65%). I CWS possono essere utilizzati come base per la formulazione di tinte, oppure, più semplicemente, per ottenere rapidamente tinte pronte all'uso, previa diluizione e aggiunta di un opportuno veicolo. I CWS permettono di lavorare sia con **sistemi a solventi** che **con sistemi all'acqua**.

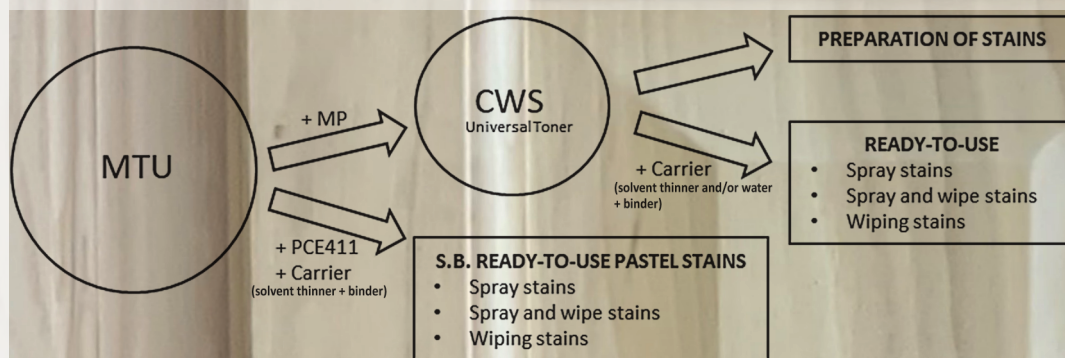
Utilizzando i concentrati della serie **MTU** in combinazione al **PCE411**, una pasta bianca concentrata a solvente (anch'essa non ADR) si ottengono **tinte pastellate al solvente**. Percentuali consigliate per ottenere tinte pastello a buona copertura: PCE411 (20-25%), MTU (0,1-0,6%), diluente nitro + veicolo (75-80%). Sia per i preparati pastello che per le miscele trasparenti, con l'ausilio di opportuni veicoli, è possibile ottenere: "tinte a spruzzo", "tinte a spruzzo e straccio", "tinte a straccio", ecc... Adler srl può fornire un'ampia gamma di diluenti e veicoli sia ad acqua che a solvente per raggiungere risultati ottimali per ciascun tipo di applicazione.

(EN) Mixing the **MTUs** together and diluting them with **MP** (1-methoxy-2-propanol, CAS 107-98-2) will result in moderately concentrated transparent stains, also known as **CWS (Concentrates Water Solvent)** that can be diluted with either water or solvents. The suggested percentages for getting CWS are: MTU mix (35-40%), MP (60-65%). CWS can be used as part of staining system formulas, or alternatively, after proper dilution with water or solvent and the addition of a binder, they can easily become a ready-to-use stain.

By using **MTU** series concentrated universal dyes mixed with Adler's **PCE411**, a non-hazardous concentrated solvent-based white paste, you will get **solvent-based pastel stains**. The suggested percentages for a good coverage pastel stain are: PCE411 (20-25%), MTU (0,1-0,6%), nitro thinner + binder (75-80%). If mixed with the correct binder, both pastel stains and stains made with CWS will be suitable for several types of application (e.g. spray, spray and wipe, wipe, etc.). Adler supplies a wide range of water- and solvent-based thinners and binders useful to achieve the desired final result with any kind of application.

(ES) Al mezclar los **MTU** y diluirlos con **MP** (1-metoxi-2-propanol, CAS 107-98-2), se obtienen **tintes transparentes bisolubles de concentración intermedia**, abreviados como **CWS**. Porcentajes recomendados: MTU mix (35-40%), MP (60-65%). CWS se puede utilizar como base para la formulación de tintes, o también para obtener rápidamente tintes listos para usar, después de diluir y agregar un ligante adecuado. Los CWS permiten trabajar con sistemas base agua y base solvente.

Utilizando los concentrados de la serie **MTU** en combinación con **PCE411**, pasta blanca concentrada base solvente no peligrosa, se obtienen **tintes pastealeados en base solvente**. Porcentajes recomendados para obtener tintes pastealeados con buena cubrición: PCE411 (20-25%), MTU (0,1-0,6%), diluyente nitro + ligante (75-80%). Tanto para preparaciones pastealeadas como para tintes transparentes, con la ayuda de los ligantes adecuados, es posible obtener: "tinte a pistola", "tinte pistola y trapo", "tinte a trapo", etc... Adler srl puede suministrar una amplia gama de diluyentes y ligantes tanto en base agua como solvente para lograr resultados óptimos para cada tipo de aplicación.



CWS – SISTEMI A SOLVENTE PRONTI ALL'USO - READY-TO-USE SOLVENT-BASED STAINING SYSTEMS - SISTEMAS BASE SOLVENTE LISTOS PARA USAR

Tinta a spruzzo Spray stain Tintes para pistola			Tinta spruzzo e straccio Spray and wipe stain Tintes para pistola y trapo			Tinta a straccio Wiping stain Tintes para trapo		
Carrier	I. Nitro thinner	85%	Carrier	I. Nitro thinner	65%	Carrier	I. Nitro thinner	50%
	II. PLC20	5%		II. PLC46	20%		II. PLC46	30%
Toner	III. CWS	10%	Toner	III. CWS	15%	Toner	III. CWS	20%
TOT.		100%	TOT.		100%	TOT.		100%

(IT) Come diluente nitro consigliamo il DIL84 di Adler srl; come veicoli a solvente il PLC20 (tinte a spruzzo) e il PLC46 (applicazioni a straccio).

(EN) We suggest using Adler's DIL84 as nitro thinner, while Adler's PLC20 (for spray stains) and PLC46 (wipe stains) are ideal as solvent-based binders.

(ES) Como diluyente nitro recomendamos el DIL84 de Adler srl; como ligantes base solvente el PLC20 (tintes a pistola) y el PLC46 (tintes a trapo).

Veicoli a solvente - Solvent-based binding agents - Ligantes a base disolvente:

Codice Code Código	Marcatura del poro Pore marking Marcado del poro	Essiccazione Drying Secado	Effetto su legno Effect on wood Efecto en la madera	Percentuali consigliate Recommended quantity Cantidad recomendada	Applicazione Application Aplicación
PLC20	Eccellente Excellent Excelente	Rapida Fast Rápido	Buona trasparenza Good transparency Buena transparencia	5-15%	tinte a spruzzo spray applications tintes para pistola
PLC46	Buona Good Bueno	Lenta Slow Lento	Ottima uniformità Excellent uniformity Excelente uniformidad	15-30%	spruzzo/straccio o straccio spray/wipe or wiping stains para pistola/trapo o trapo

CWS – SISTEMI ALL’ACQUA PRONTI ALL’USO - READY-TO-USE WATER-BASED STAINING SYSTEMS - SISTEMAS A BASE DE AGUA LISTOS PARA USAR

Tinta a spruzzo

Spray stain

Tintes para pistola

Carrier	I. Water	85%
	II. VLC57	5%
Toner	III. CWS	10%
TOT.		100%

Tinta spruzzo e straccio

Spray and wipe stain

Tintes para pistola y trapo

Carrier	I. Water	65%
	II. VLW306M	20%
Toner	III. CWS	15%
TOT.		100%

Tinta a straccio

Wiping stain

Tintes para trapo

Carrier	I. Water	50%
	II. VLW306M	30%
Toner	III. CWS	20%
TOT.		100%



(IT) Come veicoli ad acqua consigliamo il VLC57 (per tinte a spruzzo) e il VLW306M (per applicazioni a straccio).

Nota: le tinte esclusivamente all’acqua hanno stabilità limitata nel tempo. Per migliorare lo “shelf life” si consiglia di sostituire parzialmente l’acqua con glicoli o acetone (20-25%) e di verificare le stabilità nel tempo.

(EN) We suggest using Adler’s VLC57 as water-based binder for spray stains, whereas VLW306M is recommended for wipe stains.

Notes: water-based stains are known to have a time-limited stability. To extend the shelf life, we suggest replacing part of the water with glycols or acetone (20-25%) and testing the stability periodically.

(ES) Recomendamos como ligantes base agua el VLC57 (para tintes a pistola) y VLW306M (para tinte a trapo).

Nota: los tintes exclusivamente a base de agua tienen una estabilidad limitada en el tiempo. Para mejorar la “vida útil” se recomienda sustituir parcialmente el agua por glicoles o acetona (20-25%) y comprobar la estabilidad en el tiempo.

Veicoli all’acqua - Water-based Binding Agents - Ligantes a base de agua:

Codice Code Código	Marcatura del poro Pore marking Marcado del poro	Essiccazione Drying Secado	Effetto su legno Effect on wood Efecto en la madera	Percentuali consigliate Recommended quantity Cantidad recomendada	Applicazione Application Aplicación
VLC57	Eccellente Excellent Excelente	Rapida Fast Rápido	Buona trasparenza Good transparency Buena transparencia	5-15%	tinte a spruzzo spray applications tintes para pistola
VLW312	Eccellente Excellent Excelente	Media Medium Medio	Eccellente trasparenza Excellent transparency Excelente transparencia	5-15%	tinte a spruzzo spray applications tintes para pistola
VLW306M	Eccellente Excellent Excelente	Molto lenta Very slow Muy lento	Buona uniformità Buona uniformity Buena uniformidad	15-30%	spruzzo/straccio o straccio spray/wipe or wiping stains para pistola/trapo o trapo

TINTE PASTELLATE A SOLVENTE PRONTE ALL’USO – READY-TO-USE SOLVENT-BASED PASTEL STAINS - TINTES PASTELEADOS EN BASE SOLVENTE LITOS PARA USAR

Carrier	I. Nitro thinner	59,6%
	II. PLC46	20%
Toner	III. PCE411	20%
	IV. MTU mix	0,4%
TOT.		100%

(IT): Per le tinte pastello consigliamo applicazioni a spruzzo e straccio.

(EN): For pastel stains we suggest spray and wipe applications.

(ES): Para los tintes pasteledos recomendamos aplicaciones con pistola y trapo.



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