

SOLID COLOUR STAIN



Opaque Wood Finish



- **Coverage:**
6-9m per litre
- **Drying Time:**
Re-coat 3- 4 hours,
Full cure 24 – 48 hours
- **Sizes:**
2.5ltr.
- **Colours:**
52inc White & Black.
Colour cards available on request
- **Application:**
Synthetic Brush, Roller, Paint Pad, Spray

5/15-YEAR GUARANTEE

The Solid Colour Stain guarantee is your assurance of long-life performance – with 5 years against peeling on horizontal surfaces and 15 years against peeling, cracking and flaking on vertical surfaces

Decorates & Protects Exterior Wood

Solid Colour Stain is an All in One premium wood colour for new and refurbishment projects.

The blend of E-B (Emulsa-Bond) oil and acrylic paint combine easy to apply colour with long lasting protection and mildew resistance to all exterior wood – even difficult surfaces where other coatings have failed.

This unique blend of E-B oil and acrylic gives superior penetration and adhesion to provide a flexible, durable, breathing finish with excellent colour retention that will not peel, crack or flake.

It is perfect for a wide range of applications, including, decking, garden furniture, solid wood, plywood, fences, trellis and weathered masonry.

Solid Colour Stain is offered in a range of 51 unique colours plus Black. Colour cards available on request.



Add that personal style and colour to your deck

All in One Wood Treatment

Long Lasting Performance

Decks, Cladding & Garden Furniture

Excellent Coverage

Wide Range of Colours

Resists Peeling, Cracking & Flaking

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Description

Owatrol Solid Colour Stain is a premium exterior stain for new work and a problem-solver for re-coating old applications. It is a unique mixture of Owatrol E-B bonding oil, and a high quality acrylic paint. This blend of oil and acrylic creates an oil primer and acrylic solid hide colour coat in one product. The blend of oil and acrylic creates a mildew-resistant solid hide stain that assures superior penetration and adhesion with excellent flexibility, breathability and colour retention - even on difficult substrates where other coatings have failed. Offering unsurpassed performance Solid Colour Stain is guaranteed for 5 years against peeling and flaking on horizontal surfaces and 15 years against peeling, flaking and cracking on vertical surfaces.

Where to use Owatrol Solid Colour Stain

- New or weathered exterior wood
- Previously stained exterior surfaces
- Cladding (solid wood and plywood)
- Decks, docks and other horizontal surfaces
- Fences and other vertical surfaces
- Trim boards and outdoor furniture
- Weathered vertical masonry surfaces
- Low wear paving slabs
- Doors and Windows, Shakes and Shingles

TECHNICAL DATA

- Finish:** Matt
- Volume Solids:** 37% ± 2% Tint
- Freeze/Thaw:** Passes 3 cycles
- Shelf Life:** >5 years - Unopened
- VOC:** Does not exceed 250gms/litre
- Flash Point:** 82°C
- Temperature Application:** 10°C – 27°C

Recommended Spread Rate

- On decks, apply two coats at the rate of 8 – 9.5m² per Litre per coat.
- On new cladding, each litre will cover from 8 – 9.5m² per Litre per coat.
- On weathered cladding, each litre will cover 6 – 8m² per Litre per coat.
- Coverage will vary due to method of application, texture and porosity.**


Film Thickness per Coat


	Wet Film	Dry Film
Horizontal and Vertical Surfaces	4 – 5 microns	1.3 – 1.7 microns
Weathered Cladding	5 – 6 microns	1.8 – 2.2 microns

The wet film thickness on weathered cladding will be difficult to measure since the open grain will allow the product to penetrate more rapidly as well as providing cavities in the surface which cannot be measured accurately

Drying Time

- Touch dry: 1 – 2 hours
- Re-coating: 3 – 4 hours
- To use, (sit or walk on) allow 24 – 48 hours
- Highly humid or damp cool conditions will prolong cure/drying times

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<p>Application Method High quality synthetic brush, Smooth surfaces – short pile synthetic roller or stain brush/pad, Rough surfaces – medium/long pile synthetic roller Airless Sprayer (.017 - .021 tip @ 1800-2000psi (124 – 138 bars) Do not apply in hot sunlight or to hot surfaces Do not apply if rain is forecast within 48 hours Do not apply to surfaces with a moisture content above 18% Never stop staining in the middle of a board, always work the entire length and stop at a logical break Vertical cladding should be coated from top to bottom</p> <p>Special Techniques A "non-slip" agent can be added to a deck finish, especially around pool areas. Use a proprietary product made for this purpose. (Silica sand can be used, but it will settle out if not stirred periodically). For best results we recommend adding the additive at a rate of 215gms per 1 Litre of Solid Colour Stain and that it is used in both coats. Cutting In – "Double Cut" to avoid shadows or shiners when cutting in around trim. Carefully cut in around the trim and stain it, then cut in again for the siding</p> <p>Limitations For exterior use only - do not use indoors</p> <p>Sizes 2.5ltr</p> <p>Clean Up Clean all tools and equipment with warm soap and water whilst still wet. If Solid Colour Stain is allowed to dry on tools, remove with paint stripper Transfer leftover Solid Colour Stain to a smaller, properly labelled metal or glass container to prevent gelling Any rags or cloths soaked in Solid Colour Stain should be dipped in water before disposing with household waste Store and maintain equipment as directed by manufacturer</p> <p>Colours 51 Colours plus Black – Colour card available on request 3 Tinting bases</p> <p>Colour Selection Before starting the job, test your colour choice on a small area and allow to dry thoroughly to determine final colour Buy sufficient product for the whole job, mix all product together before starting to avoid colour variances</p> <p>Directions for use:</p> <p>SURFACE PREPARATION Proper preparation is essential for warranty application, optimum penetration and overall product performance Surfaces to be stained must be clean, dry and free of dirt, mildew and other contamination. Treat mildew with a mixture of 1 part chlorine bleach and 4 parts water, rinse thoroughly prior to continuing with next part of preparation Windows, doors and frames should have all sharp edges rounded off Knots on windows, doors and frames should be treated using a hot air gun and any residue wiped off using a cloth soaked in methylated spirits Note: Test for penetration and absorbency by sprinkling water lightly onto the wood. If water is absorbed rapidly, surface is free of contamination and ready for staining. If water is repelled, thorough preparation, as for new wood must be performed or repeated</p>		

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New Wood Surfaces

The ideal time to stain new wood is 1 to 3 months after installation. Some new woods, like smooth cedar have a hard shiny surface called mill glaze that prevents maximum penetration of any stain. This must be removed (**See bold note below**). Allow new pressure treated wood to dry out for 6-8 weeks before applying Solid Colour Stain
All new wood, especially decks, should be prepared using Prepdeck Stripper/Cleaner
Make up a solution of 1 part Prepdeck Stripper/Cleaner to 4 parts fresh water
Scrub solution into the surface
Leave to stand for 10 minutes
Rinse wood thoroughly with copious amounts of clean water, using the highest pressure source available, or use a pressure washer at a **minimum** of 500psi (35 bar)
Allow to dry (2/3 warm dry days)

The mill glaze and natural oils in new smooth cedar prevent strong adhesion of any coating, so a coating applied to new smooth cedar may eventually peel. To minimise peeling on cladding, first wash the cladding with a 1:4 mixture of Prepdeck Stripper/Cleaner and water and allow the wood dry. To prevent peeling on decks, apply Seasonite® New Wood Protection as soon as the deck is built. Leave for one year then treat as for Weathered Wood Surfaces

Weathered Wood Surfaces

Uncoated wood surfaces that have weathered longer than 6 months require thorough cleaning
Treat any mildew as stated in SURFACE PREPARATION
Clean surface using Net-trol, following instructions on the container
Rinse wood thoroughly with copious amounts of clean water, using the highest pressure source available or a power washer at a **minimum** of 500psi (35 bar)
Allow to dry (2/3 warm dry days)

Previously Coated Surfaces

Solid Colour Stain may be applied to sound but sufficiently weathered coatings
All loose and flaking material should be removed and the edges feathered in
Clean surface using Net-trol, following instructions on the container
Rinse wood thoroughly with copious amounts of clean water, using the highest pressure source available or a pressure washer at a **minimum** of 500psi (35 bar)
Allow to dry (2/3 warm dry days)

Note

Stripper/Cleaner may darken some woods such as Cedar, Redwood and Hardwoods, To brighten wood after using Stripper/Cleaner, dilute Net-trol Wood Cleaner & Colour Restorer 1:4 with water or use Bleach diluted 1:3 with water and apply to surface. Wait 10 minutes, then rinse off. **Do not allow the surface to dry prior to using the Net-trol or Bleach solution. Do not mix Bleach and Net-trol**

APPLICATION

Stir stain thoroughly before use and periodically during application
Use as is. **Do not thin**
Apply an even coat of Solid Colour Stain avoiding heavy application
For Decking apply a second application once first coat is dry
For other vertical or horizontal surfaces an additional coat, if desired, may be applied once first coat is dry
When spraying, **always back-brush or back-roll** immediately after application, to ensure uniformity of coverage, colour and product penetration. On deck boards it is recommended that back brushing is carried out after spray or roller application to avoid runs on the sides of the boards
Always maintain a wet edge to avoiding lapping

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MAINTENANCE

This will depend on exposure to the sun, weather and foot traffic
Surfaces with harsh exposure will show wear more quickly than other areas
As soon as finish starts to look dull, faded or showing signs of wear, carry out the following procedure
Remove all loose debris and surface contamination
Make up a solution of 1 part Net-trol to 3 parts water
Scrub on to surface and leave for 20 minutes. **Do not allow solution to dry**
Rinse wood thoroughly with clean water, using the highest pressure source available, or use a pressure washer at a **minimum** of 500psi (35 bar)
Allow to dry 2/3 warm dry days
Spot prime any exposed wood with Solid Colour Stain and leave to dry
Apply one coat over entire area
A further coat, if desired, may be applied once previous coat is dry
Leave to dry 24 hours before putting back into use

Good Application Practice

Cover everything you do not wish to coat

Health and Safety

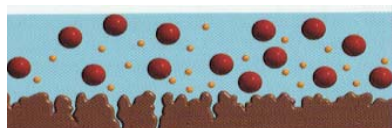
Material Safety Data Sheets for this and all other Owatrol/Flood products are freely available from the place of purchase or the address below. Store in secure dry conditions inaccessible to children and animals. Containers should be kept closed during storage. Do not empty into drains, watercourses or access routes to septic tanks

Availability

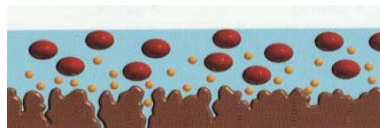
Owatrol Solid Colour Stain is available through quality paint stores and timber merchants
Available in the UK only

How It Works

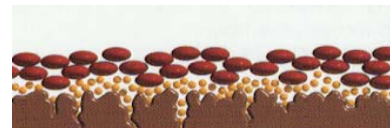
The small Oil molecule enables a stain to penetrate well into porous or chalky surfaces to provide excellent **adhesion**
The large Acrylic molecule gives the cured stain film superior **breathability, flexibility and colour retention**
The **combination of Oil and Acrylic** provides a finished coating that gives the best of both: a long-lasting beautiful finish that will adhere to even the most challenging surface



1. In the can and when first applied, oil and acrylic are mixed together in water



2. After the paint has been applied, the water begins to evaporate, squeezing the acrylic and oil molecules closer together. As this happens, the oil molecules move *into* the surface, and the latex molecules are attracted to each other *on top* of the surface



3. When the water has evaporated and the film feels dry, the oil molecules adhere deep in the surface while the acrylic molecules bond tightly together to form a strong, flexible colour coat

For further information please contact the address below

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Frequently Asked Questions



What is Solid Colour Stain?

Solid Colour Stain is a unique blend of oil and acrylic, offering the benefit of applying a primer and topcoat in one. The blend of oil and acrylic provides a mildew-resistant finish that assures superior penetration and adhesion with excellent flexibility, breathability and colour retention, even on difficult substrates-particularly where other coatings have failed.

Where can it be used?

Solid Colour Stain can be used on weathered exterior wood, previously stained exterior surfaces, solid wood and plywood, horizontal surfaces i.e. decking, vertical surfaces i.e. fencing, garden furniture, cladding and weathered masonry surfaces

How does it work?

The oil penetrates deep into the surface to give excellent adhesion, so bonding the acrylic coating soundly to the surface, thereby offering superior breathability, flexibility and colour retention

Why should I wait one month before applying Solid Colour Stain to new wood?

All new timbers and especially pressure treated timbers (due to the treatment process it goes through at the mill) have a very high moisture content level. Leaving the timber for 1 to 3 months prior to applying any form of coating, allows the excess moisture to escape and become an acceptable level within the timber, that will not affect the coatings performance once it has been applied

Can I put Solid Colour Stain on new or new pressure treated wood?

Yes, but it is important that the timber is prepared correctly in order that full penetration of Solid Colour Stain is achieved. Treating all new wood, especially decks, with Stripper/Cleaner will reduce mill glaze, remove natural wood chemicals and factory applied sealers to open the woods grain and allow maximum penetration and adhesion of Solid Colour Stain.

Can Solid Colour Stain be applied to new smooth Cedar?

The mill glaze and natural oils (extractives) in new, smooth Cedar, prevent strong adhesion of any coating applied and will eventually lead to the coating peeling off. To minimise peeling on vertical surfaces, wash with Stripper/Cleaner diluted according to product instructions followed by Net-trol to restore the Cedars natural colour. New Cedar decks should be treated with Seasonite New Wood Protection and allowed to weather for one year, this process removes the mill glaze, along with the oils and extractives and opens the woods grain allowing maximum penetration and adhesion of Solid Colour Stain

I applied Outside White to Cedar and it looks as if the stain is turning yellow. What should I do?

This may be a case of "extractive bleeding". The yellow is coming from the cedar and is "bleeding" through the stain to the top. If the yellowing is slight, it can be removed using Net-trol Wood Cleaner & Colour Restorer. It will also fade with exposure to light. If neither of these remedies works, then the affected areas should be primed with Flood Clear Tannin Guard followed by 1 or 2 coats of Solid Colour Stain as required.

How many coats of Solid Colour Stain should be applied?


It depends on personal taste and how much of the wood you want to hide; normally it is a one-coat application. However a second coat is recommended for decking due to the wear and tear it will receive

How often should I maintain Solid Colour Stain?

As required. Normally this would be about every five years on horizontal surfaces and fifteen years on vertical surfaces.

When can I apply Solid Colour Stain?

Apply Solid Colour Stain when the ambient temperature is between 10 degrees and 30 degrees centigrade. Do not apply if cold or wet weather is expected within 48 hours or in hot sunlight.

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<p>How can I apply Solid Colour Stain? Solid Colour Stain is applied by brush, roller or airless sprayer at 1800-2000 psi (124-138 bars). When spraying, always backbrush or backroll in order to achieve an even application material.</p> <p>Can I add a “non-slip” additive to Solid Colour Stain? Yes. Experience has shown us that a silica quartz based additive is the best and adding it at the rate of 215grms per 1 Litre of Solid Colour Stain gives the best results. The additive should be used in both coats.</p> <p>Can Solid Colour Stain be used indoors? Do not use Solid Colour Stain indoors. It may be used in screened-in porches, but expect a slower drying time due to reduced air circulation</p> <p>Can Solid Colour Stain be applied over an existing finish including Textrol? In most cases the answer is yes. As long as the wood will absorb the stain, it will adhere. If the previous finish is a water-repellent sealer it should be removed before applying Solid Colour Stain</p> <p>My deck has been built from wax impregnated deck boards. Can I finish it with Solid Colour Stain? You can, but it is important that any wax is completely removed from the surface. Use undiluted Stripper/Cleaner as per product instructions to do this. Once the preparation is complete and the decks boards dry you need to test for penetration and absorbency by sprinkling water lightly on the wood. If the water is absorbed rapidly and easily then the surface is ready for staining. If the water is repelled then the above process must be repeated.</p>		

SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: SOLID COLOR STAIN (TOUTES TEINTES).

Product code: SCS01.

Company/undertaking identification:

Registered company name: Produits DURIEU S.A..

Address: Z.A.I. "La Marinière" 2,bis rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.

Telephone: + 33 (0)1.60.86.48.70. Fax:+ 33 (0)1.60.86.84.84. Telex:.

Emergency telephone: + 33 (0)1.45.42.59.59.

Association/Organisation: O.R.F.I.L.A.

Use of the substance/preparation:

N/A

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
603-027-00-1	107-21-1	203-473-3	ETHYLENE GLYCOL	Xn	22	0 <= x % < 2.5

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-330-00-2	64742-82-1	265-185-4	NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	Xn	65	2.5 <= x % < 10

3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

This preparation is not classed as hazardous to health by directive 1999/45/EC.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient to the fresh air.

In the event of splashes or contact with eyes:

Refer to an ophthalmologist in particular if there is any redness, pain or visual impair.

In the event of splashes or contact with skin:

Wash thoroughly with soft clean water.

In the event of swallowing:

If swallowed accidentally, refer to a doctor and show him the label.

N/A

5 - FIRE-FIGHTING MEASURES

Not relevant.

Suitable extinguishing media:

Foam, CO2, Dry chemical.

Special protective equipment for fire-fighters:

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Prevent use in areas with flames and other ignition sources. Use appropriate electric appliances.

Keep containers tightly closed.

Avoid getting on skin or in eyes when handling product.

Fire prevention:

Prevent access by unauthorised personnel.

N/A

Storage:

Opened container must be thoroughly closed and kept in vertical position.

Keep away from freezing and from high temperatures.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Personnel shall wear regularly laundered overalls.

Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
107-21-1	20	52	40	104	*	84 -

Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
107-21-1	20	52	40	104	Peau

Exposure limit values (2003-2006):

Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
107-21-1	10 ml/m3	26 mg/m3	2(I)	DFG, H, Y	
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-21-1	10 mg/m3	-	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-21-1	10 mg/m3	-	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-21-1	-	-	100	-	-

Eye and face protection:

Use personal protection equipment.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: slightly basic.

When a pH measure is possible, it has a value of: 8.50 .

Boiling point/boiling range:	not specified.
Flash point interval:	Flash point: > 61°C
vapour pressure:	not specified.
Density:	> 1
water solubility:	Dilutable.
Other information:	
melting point/melting range:	not specified.
Self-ignition temperature:	not relevant.
Decomposition point/decomposition range :	not specified.

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

In the event of exposure by inhalation:

Refer to §4 "FIRST AID".

In the event of swallowing:

Refer to §4 "FIRST AID".

In the event of splashes or contact with skin:

Refer to §4 "FIRST AID".

In the event of splashes or contact with eyes:

Refer to §4 "FIRST AID".

Other data:

Formula sent to the I.N.R.S.

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12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

Mobility:

Contains volatile products that will disperse in air.

Contains a solid phase.

Ecotoxicity:

N/A

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This preparation is not classed as hazardous to health by directive 1999/45/EC.

This product is not classed as flammable.

Particular hazards associated with the preparation and safety recommendations:

S 2	Keep out of reach of children.
S 23	Ne pas respirer les gaz/fumées/vapeurs/aérosols.
S 24	Avoid contact with skin.
S 62	If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 2:

R 22	Harmful if swallowed.
R 65	Harmful. may cause lung damage if swallowed.

2004/42/EC (COV):

The permitted European levels of VOC in the ready-to-use product (category II Ae) are 150 g/l maximum in 2007 and 130 g/l maximum in 2010.