



This document specifies the wood species, design requirements, substrate preparation, coating systems and drying of coating for different substrates, glazing and installation of joinery on site. If the products are applied according to this specification Drywood Coatings will provide a written guarantee on the topics mentioned. Depending on the topic the specifications are split in two sections. The first one specifies the minimum requirements for the standard warranty of 10 years for transparent and for opaque finishes, the second one specifies the additional measures to be taken to apply for the X-10 (15 year warranty for opaque and for transparent).

1. Design and application of joinery

This warranty only applies to weather boards, trims and façade panels made out of Medite Tricoya for application in exterior wooden joinery for residential or commercial use in either new build houses or for renovation.

Furthermore the following requirements have to be fulfilled:

- All horizontal exterior surfaces should have a minimum angle of 5° to allow water to run off the surface.
- All external and internal edges have to be round with a radius of at least 3 mm to allow for a uniform coatings distribution.
- Joinery elements have to be positioned in the building in such a way that no direct contact with the soil can take place. This means a placement of at least 15 cm above ground level.
- All joinery has to be positioned in the building in such a way that the wood falls in the same plane or is retracted from the external wall.
- Use of panels with tongue and groove connections is not allowed.

2. Medite Tricoya Wood quality and machining

- Wood should be free from, cracking, blue-stain or any other defect.
- Wood should have moisture content between 3 and 5 % prior to machining and coating.
- Machining has to be carried out in such a way that no compression of wood cells takes place. This can be controlled by a regular sharpening or replacement of cutting knives since blunt knives are the main cause of poor machining.
- Before application of the coating, the wood surface should be sanded with fine sanding paper.

3. Other materials used as substrate for coating

- Any fillers, putties or other materials applied on the wood before or in between application of coating needs to be approved by Drywood Coatings in writing.
- Non-wood based materials that will be coated can only be used after written approval by Drywood Coatings.

4. Gluing

- Gluing of joints has to be done with either a PVA D4 type glue or Drywood Opti-Joint XP. In case of using a PVA D4 type the instructions of the glue manufacturer has to be followed.
- If Drywood Opti-Joint XP is used the applications instructions for this product has to be followed (this is specified in a separate sheet).
- After joining the elements the joint-lines have to be completely tight, open glue lines are not acceptable since these will soak up water. Any paint damage arising from water uptake through open glue lines is excluded from warranty. The tightness of the joint should be checked by finger-gauges or a dye-immersion test.



5. End grain sealing

All areas containing end grains of the wood have to be treated with Drywood End-grain sealer (white or transparent). This includes at least the following:

- All outer parts of joints (wall faced sides).
- Edges of board materials and panels (including the edges that are put into frames later on).
- Top and bottom sections of raised panels.
- Holes made for ventilation, locks or letterboxes.
- V-joints on joints glued with PVA (in case of Opti-Joint this will fill the joint)
- Ends of glazing beads or hockey-beads.
- End grains of any beads that are mounted on the wood.

The end-grain sealer can be applied by brush to the bare wood or can be applied after the (dip) priming.

For the end-grains in transparently finished wood that remain visible Drywood Optifinish TR can be used instead of Drywood End-grain sealer to avoid colour differences.

6. Coating application and drying

The following coating systems have to be applied:

Opaque finishes:

- two coats of Drywood Optifinish G40 or G70 should be applied by spraying. Each coating layer should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s.
- For X10 warranty, a third layer of Optifinish G40 or G70 should be applied of at least 30 mu dry film thickness. The coating should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s.
- The total dry film thickness should be minimum 150 microns for standard warranty and minimum 180 microns for X10 warranty. During application the wet film thickness should be checked and written down regularly.

(it is also possible to replace Optifinish for Optiprimer G with dry film thickness of at least 120 mu and finish on the construction site with at least one brush coat of a suitable water- or solventborne high quality trim paint. Drywood Coatings recommend products like Syntéco AS, Poseidon UV ZG or GL or Woodpaint Nova for this purpose. Finishing on the construction site should be done within 18 months after primer application so total layer thickness is at least 150 mu).

Transparent finishes:

- A first coat of Drywood Optifinish Transparent should be applied by spraying. This coat should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s. Slight sanding or de-nipping with fine sand paper or sanding cloth should be done.

- A second coat of Drywood Optifinish Transparent should be applied by spraying. This coat should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s.
- A third coat of Drywood Optifinish Transparent should be applied by spraying. This coat should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s.
- For X10 warranty, a third layer of Poseidon UV TR GL should be applied of at least 30 µ dry film thickness. The coating should dry for at least 4 hours at 15 °C minimum and 60 % RV maximum. The air should be ventilation around the drying product at a speed of at least 0.2 m/s.
- The total dry film thickness should be minimum 150 microns for standard warranty and minimum 180 microns for X10 warranty. During application the wet film thickness should be checked regularly.

Opaque and transparent finishes

- The dry coating film should be free from air inclusions and wood pores should be filled with paint. This can be checked with a magnifying glass at 10 x magnification.
- After applications of the final coat the coated elements should be stored indoors at a temperature of at least 15 °C for at least 48 hrs or at 10 °C for at least 96 hours in order to ensure proper film formation of the coating. For stacking the panels, use foil between the panels.
- The total wet film thickness in a single coat should not exceed 400 microns.

7. Fixing the finished material

- For panels in window frames, internal glazing is the preferred way of glazing. With internal glazing the glazing beads are on the inside of the window and are far less vulnerable to attack. It should be done inside the factory under controlled conditions. Make sure the panels are able to ventilate and do not accumulate water.
- Construct the trims and weather boards in such a way that all edges can be coated for maintenance. This is done with a minimum intermediate space of 10 mm between the panels.
- For trims and weather boards, the panels should be glued with an suitable glue onto the backside construction or use stainless steel screws and cover it with DRYWOOD 2K Epoxy putty and finish the spots with a DRYWOOD coating system (primer, midcoat and topcoat).
- The edges of the panels should be treated with Drywood End-grain Sealer. This special sealer can best be applied before the spray coat. If the panels is cut on the construction site, apply at least two layers of Drywood End grain Sealer on the

edges and apply the total DRYWOOD coating system (primer, midcoat and topcoat)

- Sealants used should be of high quality and weather resistant. Products based on silicones, MS or STP polymers are preferred. The sealant should adhere well to the coating.
- Sealants should be applied in such a way that water can not be trapped at the bottom of the window pane.
- If rubber gaskets are used for glazing any damage due to leakage of moisture along the gasket is excluded from the warranty.
- Sealants used should not be over-coated since in long term the coatings will crack on the sealant.
- External glazing beads should not be made out of pine. Any paint damage arising from the use pine in external glazing is excluded from this warranty.

8. Transport, storage, maintenance and repair on site.

- During transport to and storage on the construction site the coated panels should always be protected from rain and snow. This is important because otherwise water might accumulate in areas that are normally not exposed to the weather.
- If the panels are present on the construction site whilst the construction process is still ongoing special attention should be given to protect against mortars and plasters. Also mechanical damage should be prevented. This can be done by placing protective material on those parts where most traffic can be expected.
- If the coating has been damaged these parts should be repainted as soon as possible. If the damage is down to the bare wood two primer coats should be put on before application of the final finish. Repainting should be done by using the correct products from Drywood Coatings in order to ensure a good adhesion and the best match of colour and gloss. Drywood Poseidon UV in matching colours gives best results.

9. Maintenance, cleaning and service

- External wood should be cleaned and inspected yearly for mechanical damage and failures. If so, this should be repaired as soon as possible. Midway the warranty term, the surface should be treated with Optiprotect Maintenance lotion.
- For X 10 warranty the coatings has to be inspected, repair of failures, cleaned every year and OptiProtect Maintenance lotion should be applied once in the two years.
- For all other specifications of Medite Medite Tricoya, see the Storage, Handling and Usage instructions of Medite Medite Tricoya.



Warranty applies to projects made known to Drywood Coatings B.V. by written information before starting the production. Drywood Coatings B.V. should be informed one month before delivering the project by written information so it is able to make an inspection before warranty can be applied.



Warranties provided by Drywood Coatings (standard):

If the joinery is treated and coated according to the above mentioned specifications Drywood Coatings BV will guarantee that following defects will not be present in the **first five years** in case of opaque and the **first three years** in case of transparent coatings after installation of the joinery in service:

- No loss of adhesion including absence of blistering, peeling or flaking.
- No cracking of the coating.

Excluded from this warranty are all damages following from mechanical damage without immediate and proper repair, all damages resulting from not following the instructions and specifications mentioned in this document and those damages following from bad building practices or exposure to chemicals during service.

If any of the above mentioned defects covered by the warranty will occur, Drywood Coatings BV will reimburse the costs of repairing the defects to such an extent that defects will remain absent for the remaining time of the warranty. In these cases we will for opaque finished joinery return either the full first cost of paint and application or parts of it, depending on the time of first appearance of the defect:

Within the first year from installation	100 %
Within the second year from installation	80 %
Within the third year from installation	60 %
Within the fourth year from installation	40 %
Within the fifth year from installation	20 %

In these cases we will for transparent finished joinery return either the full first cost of paint and application or parts of it, depending on the time of first appearance of the defect:

Within the first year from installation	100 %
Within the second year from installation	65%
Within the third year from installation	35 %

No subsequent or additional costs of second or third parties will be reimbursed. Damages originating from natural catastrophes, fire, vandalism and those damages originating from faults in building engineering or construction are excluded from this warranty.



Warranties provided by Drywood Coatings X10:

If the joinery is treated and coated according to the above mentioned specifications Drywood Coatings BV will guarantee that following defects will not be present in the **first ten years** in case of opaque and the **first six years** in case of transparent coatings after installation of the joinery in service:

- No loss of adhesion including absence of blistering, peeling or flaking.
- No cracking of the coating.
- No accumulation of water in construction.
- No decay (rot) of the wood.

Excluded from this warranty are all damages following from mechanical damage without immediate and proper repair, all damages resulting from not following the instructions and specifications mentioned in this document and those damages following from bad building practices or exposure to chemicals during service.

If any of the above mentioned defects covered by the warranty will occur, Drywood Coatings BV will reimburse the costs of repairing the defects to such an extent that defects will remain absent for the remaining time of the warranty. In these cases we will for opaque finished joinery return either the full first cost of paint and application or parts of it, depending on the time of first appearance of the defect:

Within the first year from installation	100 %
Within the second year from installation	90 %
Within the third year from installation	80 %
Within the fourth year from installation	70 %
Within the fifth year from installation	60 %
Within the sixth year from installation	50 %
Within the seventh year from installation	40 %
Within the eighth year from installation	30 %
Within the ninth year from installation	20 %
Within the tenth year from installation	10 %

In these cases we will for transparent finished joinery return either the full first cost of paint and application or parts of it, depending on the time of first appearance of the defect:

Within the first year from installation	100 %
Within the second year from installation	85 %
Within the third year from installation	70 %
Within the fourth year from installation	55 %
Within the fifth year from installation	40 %
Within the sixth year from installation	25 %

No subsequent or additional costs of second or third parties will be reimbursed. Damages originating from natural catastrophes, fire, vandalism and those damages originating from faults in building engineering or construction are excluded from this warranty.



In order to claim any defect covered by these warranties the following conditions apply:

- The quality control system within the factory should be able to control and prove that the requirements outlined in the specification are fulfilled.
- In the event of a claim Drywood Coatings BV should be informed immediately.
- If any defects occur, repair should take place within 3 months to minimize subsequent damage.
- In case of a claim Drywood Coatings BV is entitled to investigate the claim by having access to the joinery being claimed and all relevant data from the production process.
- Costs for repair of damaged covered by this warranty will only be reimbursed if Drywood Coatings BV has given a written approval before the actual expenditure.
- For X10 warranty regular inspections of the product process and the quality control systems by Drywood Coatings BV are required.

In other respects, our general terms and conditions are applicable as stated in the general sales conditions of V.V.V.F. (Vereniging van Verf- en Drukinktfabrikanten) in the Netherlands.

Our warranties apply to full weathering in a mild in-land European climate on south-west orientation of timber at at least 10 cm set back installation of the facade. Exposure in coastal, mountainous or industrial areas or at high building levels or installation more outside the façade decreases the written warranties. Longer warranties can be applied to low exposure at north-east orientation or under roofs or timber positioned more than 15 cm inside the façade.



Drywood Coatings: coating systems for Medite Tricoya

Durable and stable wooden MDF boards of Medite Tricoya in exterior applications ask for a durable coating of Drywood Coatings. Because of the extreme low shrinkage and swelling of this substrate and its high resistance against degradation this board material can be coated with our extremely durable and very low-maintenance coating systems with maintenance interval up to 15 years.



Drywood Coatings has been developing extremely durable coating systems since 1960 and has more than fifty years of experience with the performance of water borne coatings. The combination of Medite Tricoya and Drywood Coatings exterior coating systems has been tested for adhesion and durability under severe alternating water immersion and drying tests. This resulted in the following coating systems to be recommend for use on Medite Tricoya for façade panels, cladding, sidings, parts of window-frames and doors.

DRYWOOD FACTORY FINISHED SYSTEMS:

- Spraying two layers of Optifinish G40.
- Spraying two layers of Optiprimer G and finish the front side and edges at the construction site with for instance Poseidon UV GL.
- Spraying three layers of Optifinish TR SG or GL (tinted).

Damage repair with DRYWOOD Poseidon UV (TR) SG or GL (also for maintenance).

DRYWOOD SEMI-FILMBUILDING SYSTEM:

- Spraying three layers of Woodstain VV (tinted) and two layers on backside (system for cladding and sidings only).

Damage repair with DRYWOOD Woodstain VV (also for maintenance).



DRYWOOD Coatings also has a comprehensive product range of brushable primers and finishes for perfect finishing, re-pairing or maintenance. Our finished systems have an average layer thickness of 150 µm with a minimum of 140 µm. For Tricoya it is necessary to apply a coating system on both sides. For a long life application, it is important to apply the boards on a well ventilated construction and the surface should not be in permanent contact with water. Apply two layers of DRYWOOD Endgrain Sealer TR on the end grains with intermediate sanding.

To keep the coating system in optimal condition, **DRYWOOD Coatings** advises yearly washing of the surface, inspection on (and repair of) failures and application of one layer of **DRYWOOD OptiProtect** maintenance lotion. A superior maintenance friendly system till 15 years — less dirt pick up, more colour- and gloss retention — is possible for instance with **DRYWOOD Poseidon UV** or **Woodpaint Nova**. Ask for the conditions as well as the other specifications.

We invite you to contact us for more information, also to inform you about our complete product range for the entire wood working industry and about all our brush paints for construction and renovation.

Drywood Coatings B.V.

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