



# **Drywood Coatings Eliminate WOOD JOINERY'S MOST COMMON FAILURE**

The wood window joint

No Water      ----      No problem



# A Breakthrough

Drywood Coatings announces the launch of a much welcomed tool to Joinery Manufacturers.

Following continued International study on wood joinery failures Drywood Coatings have made a breakthrough on the protection of the Wood Joinery weak link ----- **The Leaking Joint**



**FOR A CLOSED WATER TIGHT  
WINDOW JOINT**

**DRYWOOD Opti-Joint XP**  
*A joint leap to perfection*



# Drywood Opti-Joint XP

- Drywood addresses the weakest link, **the joint**
- Specifically developed to keep Wood Joinery joints protected from moisture ingress.
- Beside its gluing properties, Opti-Joint XP protects end grains and joint-lines from water uptake.
- 100 % product (no water or organic solvent)
- No dangerous / toxic substances (safe for worker and environment)



# Main Advantages of Opti-Joint XP:

- **Stays flexible to absorb movements in the joint**
- **Fills gaps up to 2 mm**
- **Suitable for common (tropical) hard- and softwoods plus chemically or thermally modified wood.**
- **Product fills capillaries without foaming**
- **No long pressing times or high pressure required.**
- **Overpaintable with common waterborne coatings**



***DECIDE BY VISUAL INSPECTION :- An open fitting requires the application of Opti-Joint XP.***

***In case of a very wide fitting: apply Opti-Joint XP on both sides.***





***Application Options : - Opti-Joint XP by gun***

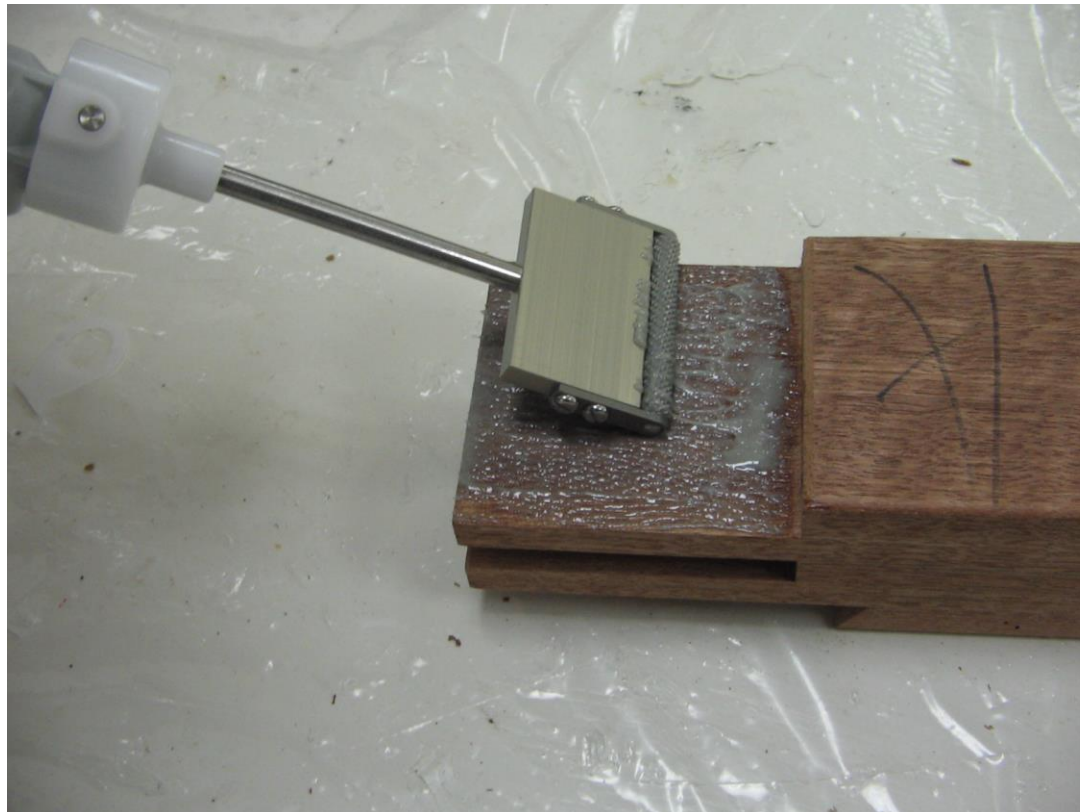


***Application to dowel-holes : - Take care when fitting the dowel.***





***Application of Opti-Joint XP by spray-gun.***



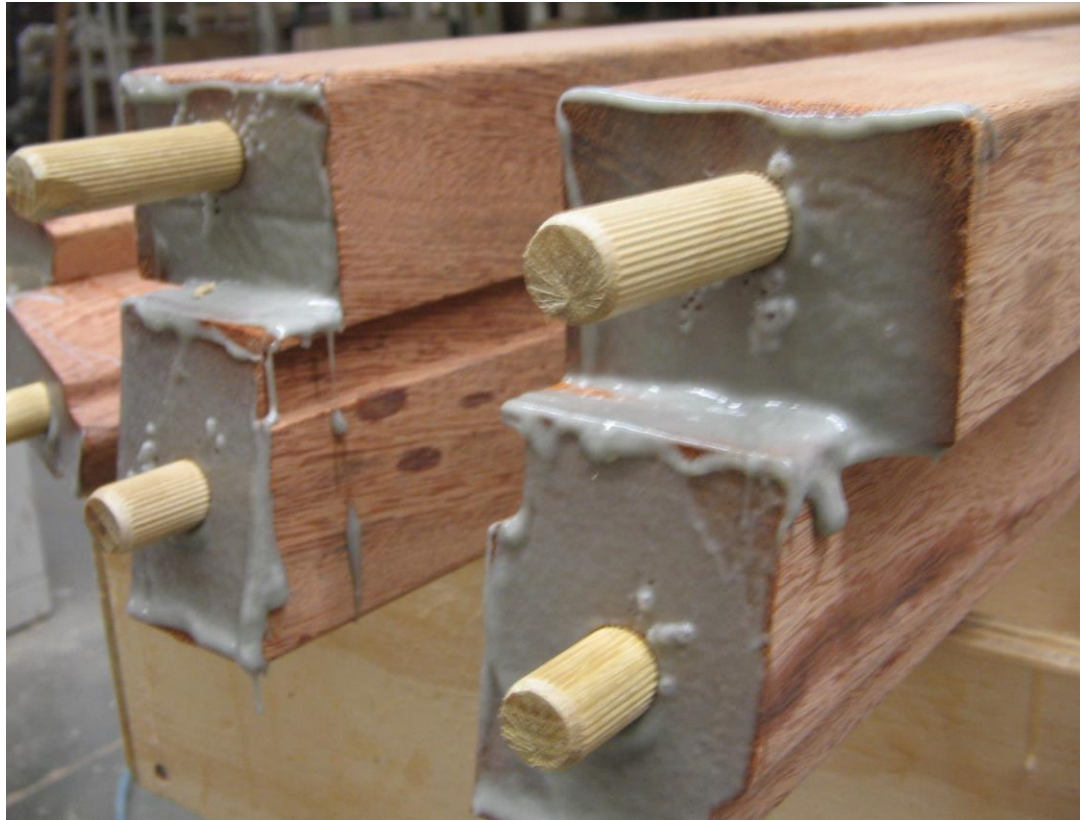
***Application of Opti-Joint XP with a roller-spatula which feeds from a pressure-vessel.***



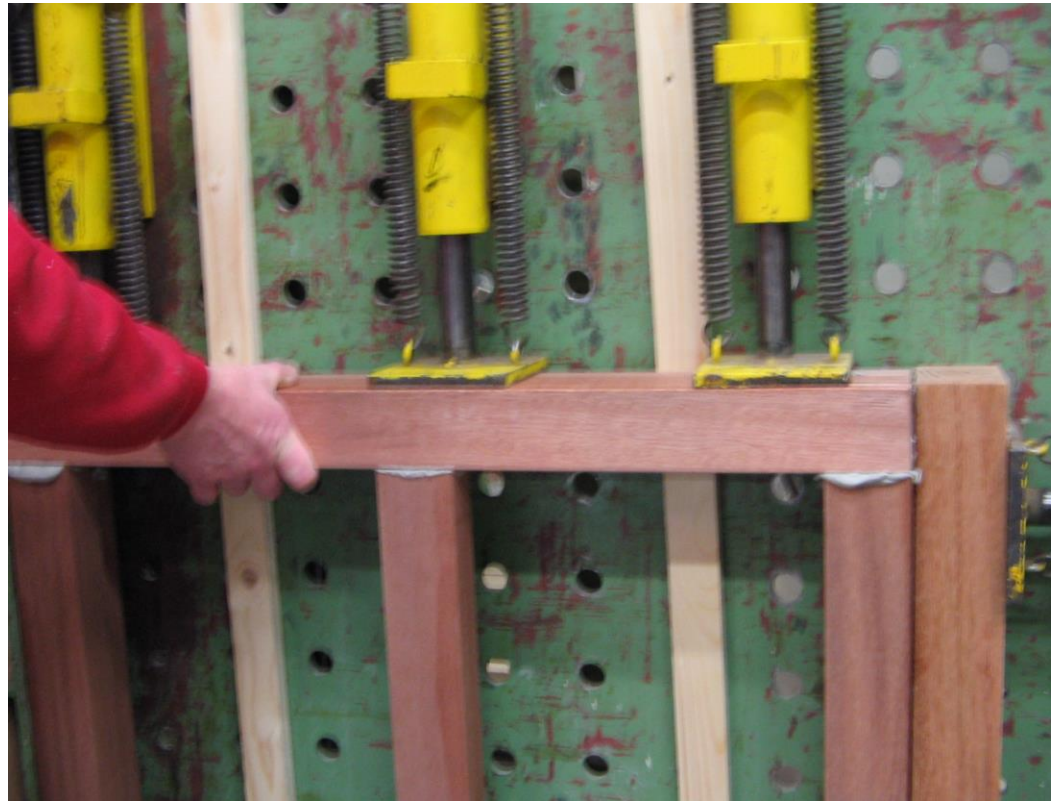
***Application of Opti-Joint XP : -***

***The manual way ,cover all surfaces.***





***Opti-Joint XP : - On profiled surfaces and in dowel-holes.  
Apply Opti-joint XP in dowel-holes of the rail.Followed by  
assembly of the window frame.***



***Assemble the parts with low pressure and short assembly times until Opti-joint XP flows out of joint. Do not increase pressure if no material flows out but apply more Opti-joint XP. Fix the joint of larger elements with a nail or screw.***





***A joint is only good when Opti-joint XP flows out on all joint lines***



***Remove excess Opti-joint XP with a spatula with round edges to ensure a moisture tight joint.***



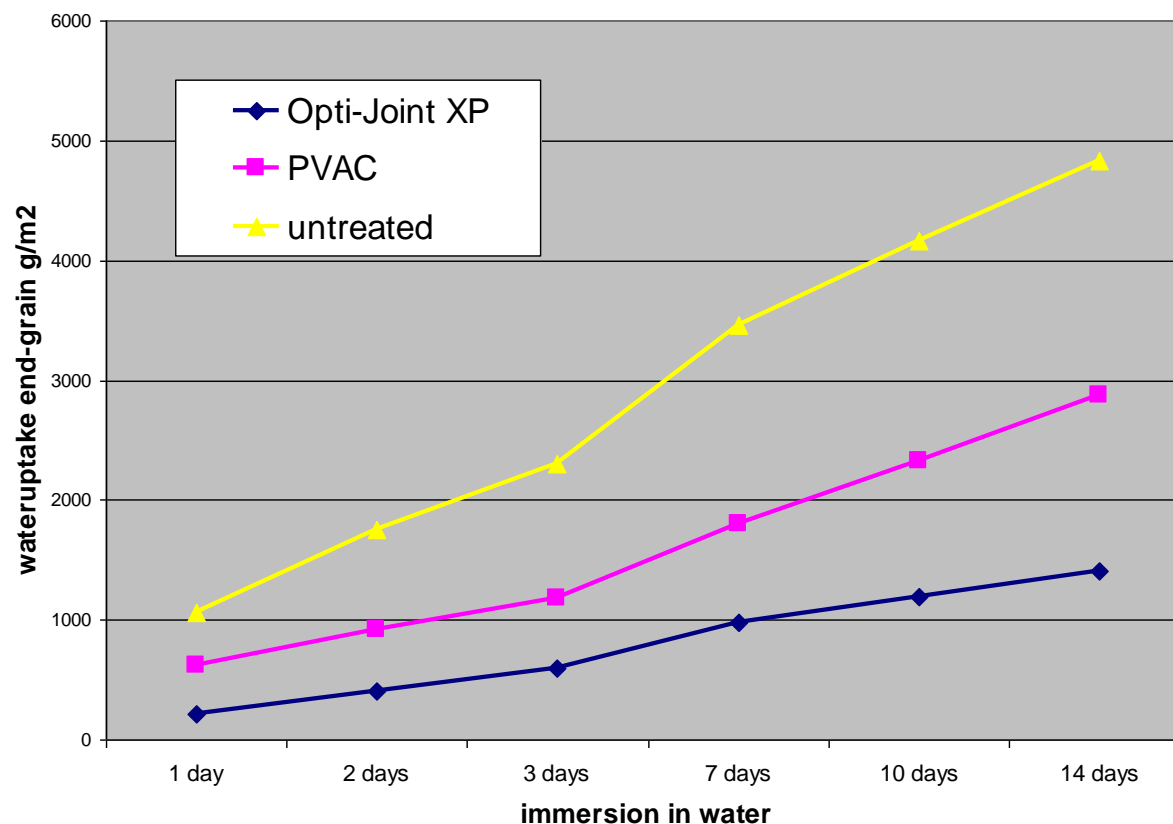
***Use excess amount of Opti-joint XP as end-grain sealer.***



***Dry overnight to ensure a good adhesion of the coating applied afterwards.***



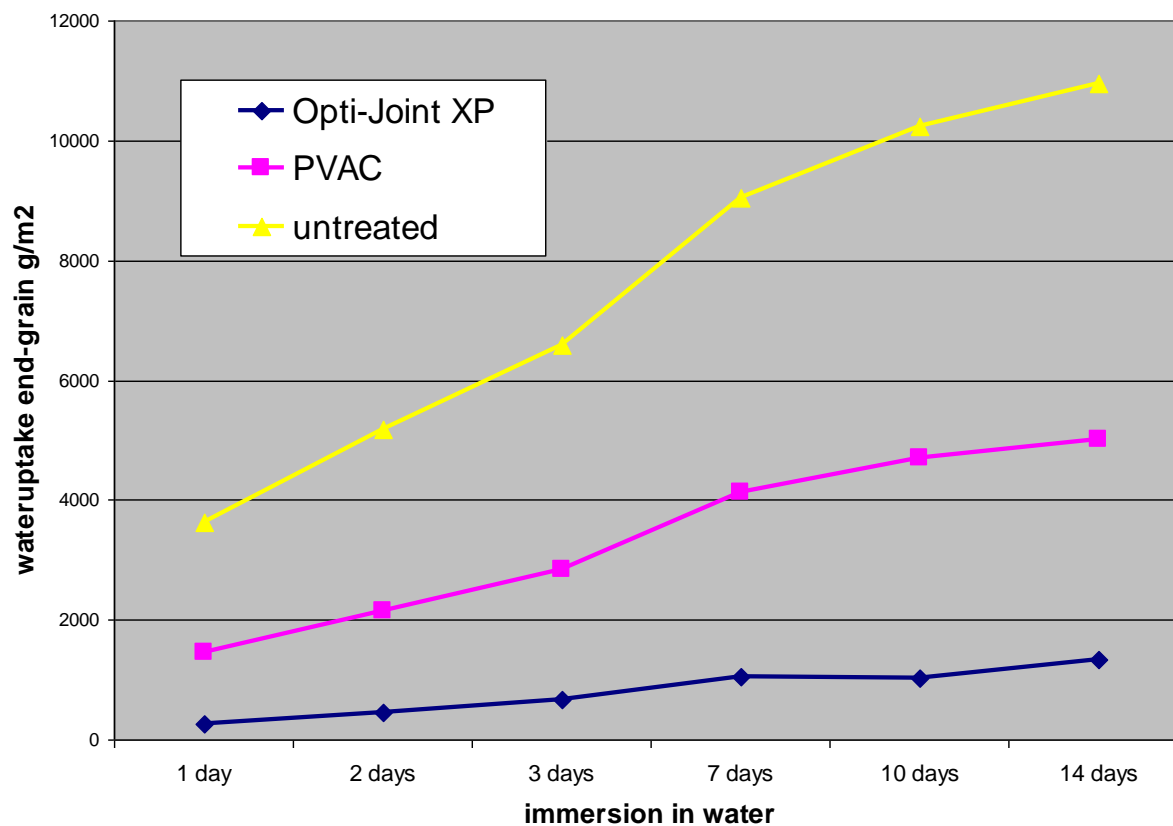
# Moisture protection spruce





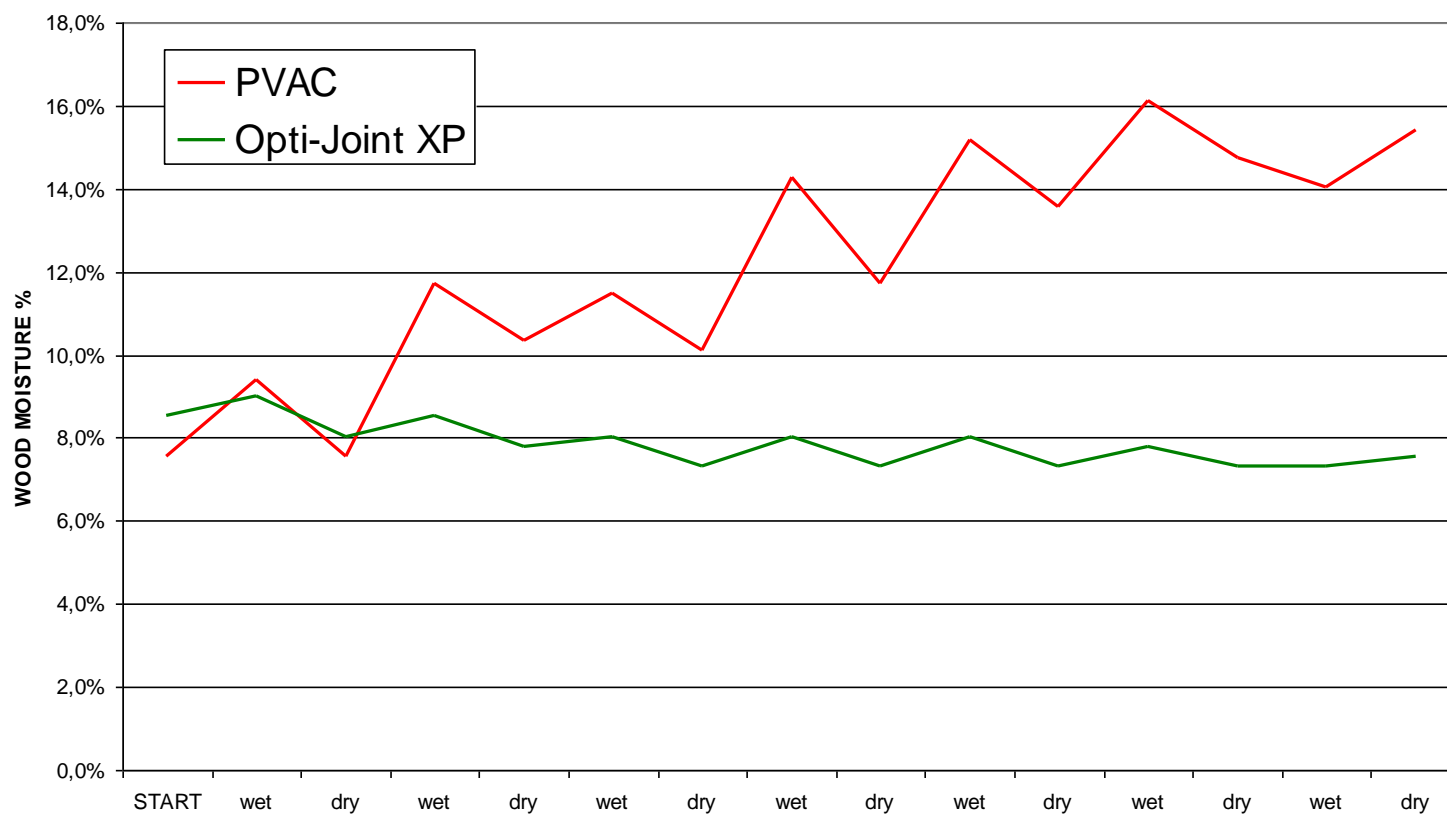


# Moisture protection meranti





## CHANGES WOOD MOISTURE DURING ARTIFICIAL WEATHERING LOCK CORNER JOINTS MERANTI





## Keeping glue line closed (= no water ingress)

	% of the glue line showing capillaries					
	Opti-Joint XP on Accoya		Opti-Joint XP on meranti		PVAC on meranti	
	3 cycles	6 cycles	3 cycles	6 cycles	3 cycles	6 cycles
Sample 1	0	0	0	0	0	11
Sample 2	0	0	0	0	73	76
Sample 3	0	0	3	3	50	66
Average	0	0	1	1	41	51

**Results from independent test performed  
by SHR Timber Research**



**Opti-Joint XP on meranti**  
after 6 wks artificial  
weathering and stain test



**PVAC glue (D4 type) on  
meranti**  
after 6 wks artificial  
weathering and stain test



**DRYWOOD OPTI-JOINT XP**



**DRYWOOD SURFACE COATING**

**GIVES**

**COMPLETE MOISTURE TIGHT JOINT  
AND**

**A STABLE TROUBLE FREE  
WINDOW FRAME**