

FINE Additives for wood plastic composites (WPC)

Excellent Functionality and Process Benefits



Basic understanding: Promising features of WPCs

- Safe** : Effective protection from fire hazard
- Green** : Saves trees, natural resources
- Efficient** : Superior properties, flexibility of operation
- Durable** : Resistance to water & insects (termite)

Key applications

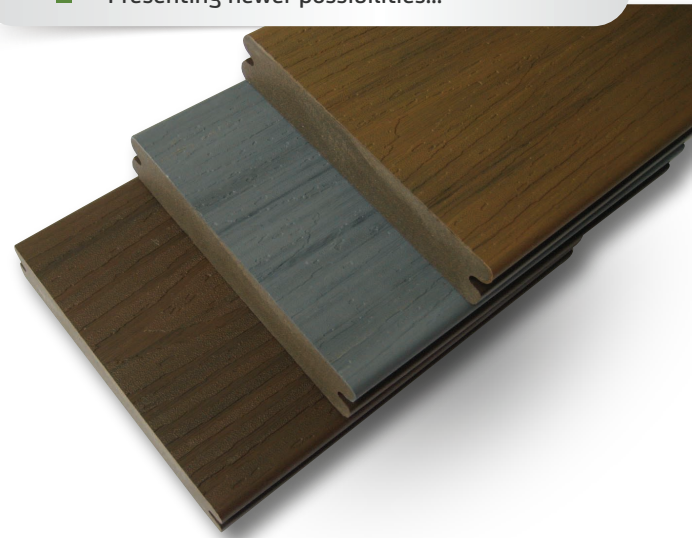
- Doors/door frames, Window frames
- Flooring
- Decking – Poolside, walkways, outdoor
- Fencing – Panels
- Presenting newer possibilities...

Challenges

- Effective processing – High melt viscosity can limit the flow
- Dispersion of wood flour in polymer matrix
- Surface aesthetic properties
- Excess shear can result in degradation

Challenges? Think FINE Additives


- Improved melt flow: To minimize extent of degradation
- Enhanced surface properties
- Superior mould release
- Minimized dust pick-up



Product recommendations

For PP/HDPE based systems			For PVC based systems		
Function	Product	Key features	Function	Product	Key features
Specialty wetting & dispersing additives	FinaSpere DT 500 N	<ul style="list-style-type: none"> ■ Excellent wetting & dispersion ■ Superior aesthetic properties 	Lubricant	Finalux G 605 Finalux G 322	Internal Intermediate
Antistatic additive	Finastat 1512	<ul style="list-style-type: none"> ■ Immediate and short-term antistat to minimize dust pick-up ■ Effective mould release 	Compatible external lubricant	Finalux G 701/ Finalux G 741	Good release property and shear control
Antiscratch, Superior surface quality	Finawax ASP	<ul style="list-style-type: none"> ■ Superior stability ■ Suitable for high processing temperatures ■ Excellent functional performance 	External lubricant dosage is recommended to be optimized suitably.		

You can profitably attain remarkable functional excellence in your specialty WPC formulations by selecting the suitable FINE Additives.

 Selection of FINE additives can assure a bio-based, functional and high quality solution, which can help you to upgrade your Sustainability & Quality quotient.

Explore more FINE additives for Your Speciality Applications/Compounds/Masterbatches to maximize benefits with us at info@fineorganics.com.

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