

THE ALL-WEATHER CHAMPION

Whether it is the intense heatwave of Rajasthan, frosty winters of Jammu & Kashmir or the endless showers of Mawsynram, India is a country of extremes. It experiences ever changing climates and diverse weather conditions beyond normal levels. To ensure a high-end, smart and long-lasting solution to all such outer influences, Merino offers you its premium range of Merino Armour External Wall Claddings which is designed to withstand these drastic climatic conditions that this tropical sub-continent possesses. These come in an assortment of high-quality luxurious designs with subtle variations that not just add style to your surroundings but also resist the damages that these conditions try to inflict. All in all, it's a range that is exclusively made in India.





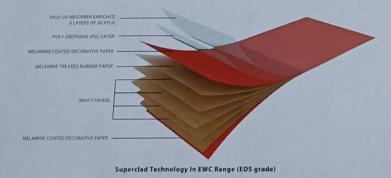


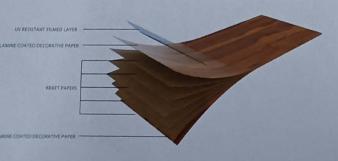


MERINO ARMOUR TECHNOLOGY

Merino Armour External Wall Cladding epitomizes beauty and toughness. It has been built with the superior external cladding technology called "Merino Superclad Technology" which makes the exteriors endurable to the core and helps it withstand the impact of erratic weather conditions.

A special EWC range with Superclad Technology has a UV resistant top coating treated with Poly Urethane (PU) and Acrylic to protect the exterior wall from the harmful Ultra-violet rays, which prevents fading and significantly enhances durability. The other EWC range comes with UV resistant Filmed Layer and is manufactured under high pressures and temperatures which yields a highly durable and dense EWC panel; hence, making Merino Armour External Wall Claddings truly superior and strong for your exteriors.





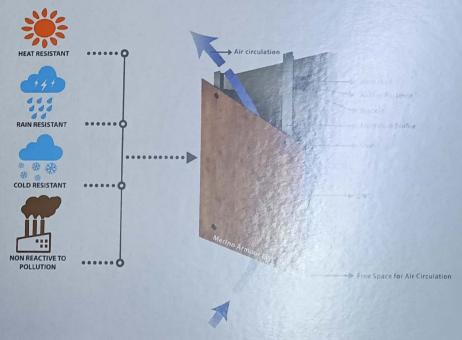
UV Resistant Filmed EWC range (EGS grade)

ARMOUR'S ENERGY SAVING SYSTEM

ENERGY SAVER

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Merino Armour External Wall Cladding is not only an innovative, durable and aesthetic shield to your exterior: it also has a natural mechanism which embodies an efficient 'Energy Saving System'. A natural insulation i.e. an air cayity gets created between the wall and the External Wall Cladding. This air gap facilitates continuous air ventilation that reduces heat or moisture effect on base structured wall thus, allowing retention of indoor temperature. The ventilation process contributes to reduced levels of energy consumption and also avoids corrosion of the exterior surfaces. The buildings are now better ventilated providing more comfortable indoor environment and ensuring significant energy saving.



DUE TO ITS SPECIAL VENTILATION TECHNOLOGY, MERINO ARMOUR IS ENERGY-EXPICIENT, SUSTAINABLE, INNOVATIVE AND LONG-LASTING PROTECTOR TO YOUR HOME'S EXTERIOR.



The special Armour robustly justifies its name for the exteriors. Merino's Armour is the ultimate weatherproofing shield to safeguard your exterior surfaces against everyday weather variations and extreme climatic conditions. It is truly the superhero in the world of external claddings.



Against ALL WEATHER:

Highly weather resistant even when exposed to extreme cold or heat conditions and extreme levels of humidity.



Against UV:

A special UV protected treatment makes the claddings UV resistant and prevents discoloring under long exposure to direct sunlight.



Against CLIMATIC SHOCK:

It is resistant to sudden change in temperature and humidity in the atmosphere.



Against CORROSION:

Absolutely corrosion free unlike other external cladding products.



Against GRAFFITI

Any writing marks made on the surface can be easily removed using soap water or hot water.



Against TERMITES:

Highly resistant to termite and fungal attack.



Against MOISTURE:

Highly moisture resistant hence, ideal for use in all types of exterior cladding.



Against IMPACT:

It is impact resistant and has a very good modulus of elasticity due to the modified phenolic resin.



Against ABRASION:

It has superior abrasion and wear resistance capabilities which gives it good lifespan.



Against FLAME:

Special edition claddings are resistant to high temperatures and flame conditions. EWC is available with flame retardant grade.



Armoured against all odds for 10 years.

*Applicable for Superclad



14177 Columbian Walnut

CERTIFICATIONS

EXCELLENCE IN QUALITY

Merino firmly believes that trust is built by delivering high quality and reputable parglobal standards of quality assurance and environment safety, thus ensuring excess its deliverables.



GRIHA

Green Rating for Integrated Habitat Assessment (GRIHA) was adopted as the national rating system for green industry for panelling and buildings by the Government of India in 2007. Merino is GRIHA-certified for its Sustainable Building Material.



The EPH

Merino Compact is EPH-certified and holds a proof of performance in the building cladding.



GREENGUARD

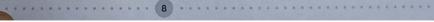
ensures that a product has GREENGUARD Gold standard met some of the world's most that ensures products are rigorous and comprehensive acceptable for use in standards for low emissions of environments such as volatile organic compounds schools and healthcare (VOCs) into the air. Merino facilities. Compact testifies it.

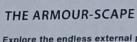


GREENGUARD GOLD

Greenquard Constitution Merino Compact adheres to







Explore the endless external possibilities of claddings...

Merino Armour External Wall Claddings can adorn many external surfaces and it gives a new protective dimension to different kinds of spaces. Let's have glance at these possibilities of using EWC for specific sites of your building.

2 Ventilated Facades 5 Balcony Claddings



As Highlighter



OTHER APPLICATION AREAS

Partitions Railings Fences Outdoor Furniture Public Facilities Playground Facilities Sports Facilities - Sun Protection System · Office Entry Portals · Windows

Armour's Application Possibilities

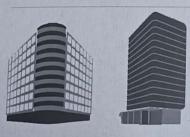
Merino Armour External Wall Claddings are truly versatile in nature. But it ideally works best for these application areas.







SHOPPING MALL



HOTELS

OFFICE BUILDINGS **INDUSTRY &**



RETAIL SHOPS

APPLICATION PLACES

- · Residence (Kothis) · Shopping Malls · Hotels
- · Motels · Residence (High Rise Apartments)
- · Retail Shops · Industries · Office
- · Airport Terminals ore...

Technical Specifications Technical Data Sheet

PROPERTIES	TEST METHOD	ATTRIBUTES PROPERTY	UNIT	EWC	
				Standard Value	Actual Merina
Thickness	EN 438 2-5	6.0 ≤e<8.0	mm	Tol+0.4	
Length & Width	EN 438 2-6	Panel	mm	+10-0	
Edge Straightness	EN 438 2-7	Panel	mm	515	
Squareness	EN 438 2-8	Panel	mm/m	515	
Flatness	EN 438 2-9	6.0 ≤ e < 8.0	mm		
Density	150 1183	Mass	g/cm3	213	
Wear Resistance	EN 438 2-10	Abrasion Resistance	Revolution	31	
Impact Resistance	EN 438 2-21	Dropped ball e ≥ 6 mm	mm	1500 m (Long) Dum constall height-nu crank hukumi	
Dry Heat Resistance	EN 438 2-16	Resistance to Dry Heat at 160°c	Appearance	Moltesta	
Resistance to Boiling Water			% Mass Increase		
		Moisture Resistance	% Thickness Increase	May 2	
	EN 438 2-12		% Mass Increase		
	T≥ 5.0 mm		96 Thickness Increase		

Mechanical Properties

PROPERTIES	TEST METHOD	ATTRIBUTES PROPERTY	UNIT	
Modules of Elasticity	ISO 178	Strength	10	
Flexural Strength	ISO 178	Strength	Man	
Face Screw Holding	ISO 13894-1:2000	Strength		

Weather Resistance

PROPERTIES		ATTRIBUTES PROPERTY			EVIC	
	TEST METHOD			so asvalu	Actual Merino Armour EWC value	
Light Fastness	EN 438 2-27	Contrast		S. chill	≥ Level 4	
Artificial Weathering	EN 438 2-29	Contrast Appearance	37000	un per l'est	Min. Level 3	
	: 3000h				Min. Level 4	
UV - Light	EN 438 2-28	Contrast Appearance		Ler-painment	For EGS only	
	:1500h		Section 1	-1-Yo Propilingment	For EDS C-3, A-4	
Dimensional Stability	EN 438 2-17	Accumulated dimensional change		L 4410.3%	<max (l)<="" 0.3%="" td=""></max>	
At elevated temperature				Max 4,6%	<max (w)<="" 0.6%="" td=""></max>	
Resistance to climate shock	EN 438 2-19	Appearance !		Min Level 4	Level 5	
		Flexural strength Inda Ds	entra.	Min 0.80	For EDS 0.92	
		Flexural modulus index on	William	Min 0:30	For EDS 0.84	

Fire Retardant Properties

PROPERTIES	TEST METHOD	ATTRIBUTES PROPERTY	UNIT	EWC	
				Standard Value	Actual Merino Armour EWC value
		Flame Characteristic	s (For FR Grade EWC)		
Reaction to flame		Flame retardant	Class 1	FS10-25	FSI 25
	ASTM E-84			SD Max. 450	SD 40
	EN438-7 EN13501-1	EURO CLASS	Class B	B,s2,d0	B,s1,d0













