

# CROSSBOND<sup>®</sup>

## Aluminium Composite Panel



INSPIRING SURFACES  
**POWER SERIES**

# OUR PRESTIGIOUS CLIENTS LIST

VIVO

MI



HAVELLS



Muthoot Finance

USHA

realme

BR baskin  
robbins

TECNO



NOKIA

Valvoline

SAMSUNG



honor



HONDA

TOTAL



HYUNDAI

SBI



IndianOil

oppo



NISSAN

facebook

ESSAR



एक कदम स्वच्छता की ओर

pantaløns



OYO  
ROOMS



Delhi Tourism

Mobil

TITAN  
EYEWEAR



MICHELIN

La mejor forma de avanzar

Jaquar

experience bathing

RAMRAJ  
COTTON

Sangeetha  
PIONEER THEN, LEADER NOW

Godrej

AMBIENCE  
the new standard

TCL



मोयरा  
सरिया



VOLVO

RELIANCE

## GROUP PROFILE

The Metro Group was originally founded in 1993. So, it is well into its third decade of successful operation. During this period the group has displayed a relentless pursuit of excellence. In the face of obvious market challenges the Metro Group has remained steadfast in its commitment to innovation. Today the Metro Group has become a household name when it comes to Aluminium Composite Panels, Aluminium Partition Panels, Plywood, Particle Boards, MDF Boards, HPL and PVC Laminates.

Metro Group manufactures its products across six top notch manufacturing units spread over Himachal Pradesh, Gujarat and Haryana. All the production units are equipped with machines imported from Germany, Japan, China, Italy and Sweden.

Metro Group was awarded the title of Power Brands Rising Star 2018 at a glittering ceremony at Hotel Orchid, Mumbai. Mr. Aman Garg, Director of Metro group was felicitated by Raveena Tandon (Indian Bollywood actress) and H. E. Adam Burakowski (Polish Ambassador to India). The event was conducted in association with Times Now and Bright Outdoor Media.

Metro Group has incessantly engaged in the endeavor of improving its product line and quality of product delivered. Customer satisfaction has always been the group's foremost priority. Today the group has made environmental friendly sustainability a part of its corporate identity by removing harmful materials throughout its supply chain and production cycle.

## METRO GROUP

**CROSSBOND**<sup>®</sup>  
Aluminium Composite Panel

**CROSSBOND**<sup>®</sup>  
*Designer PVC Laminates*

**CROSSBOND**<sup>®</sup>  
HPL | NATURAL FINISHES REDEFINED

**CROSSBOND**<sup>®</sup> DESIGNER  
PVC MDF

**CROSSBOND**<sup>®</sup>  
MDF BOARD

**CROSSBOND**<sup>®</sup>  
PARTICLE BOARD

**CROSSBOND**<sup>®</sup>  
PLY | BOARD | DOOR | VENEER

**CROSSBOND**<sup>®</sup> CRYSTAL  
UV

## CROSSBOND (ALUMINIUM COMPOSITE PANEL)

At Crossbond, we believe that beautiful décor can have numerous positive influences on the project and all the people involved. In our pursuit to beautify your creations, Crossbond Aluminium Composite Panel (ACP) offers wide variety of designs and colours. Our industry leading quality standards and ability to incorporate latest global trends makes us a consistent partner for all your needs.

Crossbond ACP is manufactured in two facilities, the first located in Mehsana, Gujarat and second located in Kala Amb, Himachal Pradesh. Our multi-location presence helps us provide best in class products developed efficiently and delivered economically. With 4 state-of-the-art ACP lines the total production capacity exceeds 55 million sqft per annum.

Crossbond ACP is carefully crafted to exceed interior and exterior needs of our valuable customer while maintaining high quality standards. Each panel comes with advanced anti-fading technology to sustain adverse weather effects. Specially formulated, high-quality polyvinylidene difluoride (PVDF) paints are used to guarantee a minimum life expectancy of 10 years.

Crossbond ACP is distributed and supported through an extensive network of exclusive dealers, distributors and company warehouses across India. Our distribution partners have been carefully selected on the strength of their customer support capability and outstanding ethics. Service and trust are hallmarks of our long-term association with our distribution partners.

The demand for Crossbond ACPs has been surging because it offers numerous creative and practical fabrication possibilities for walls, signage, paneling and cladding applications. Its machining ease is known to shorten project duration and decrease cost. Crossbond ACPs are actively being used to beautify offices, hospital, shopping malls, residential apartments and so on. They have played an integral role in transforming and modeling modern India.

## PRODUCT PROFILE

Aluminium Composite Panels (ACPs) are sandwiched panels, which have two layers of aluminium sheets bonded with a polyethylene core or non-combustible mineral-filled core. The top surface is coated with different shades of PVDF paint.

ACP is manufactured in different configurations of thickness with multiple aluminium coil thickness options, as technically required. The PVDF surface protection coating makes it exterior grade.

It is the combination of formability, flatness, stability and weather resistance that characterizes ACPs. Due to its composite structure ACP can take on many different shapes.



Crossbond is India's largest Aluminium Composite Panel manufacturer. Our products are designed for long years of durable & minimal maintenance performance across a variety of demanding weather conditions. We ensure quality you can always rely on, hence, our ACPs come with industry leading 10-year warranty.

- 1- True Stone
- 2- Sand
- 3- Marble
- 4- Rustic Wood
- 5- Embossed Wood

- 6- Natural Wood
- 7- Metallic
- 8- Solid
- 9- Sparkle
- 10- High Gloss

- 11- Anti Scratch
- 12- Mirror
- 13- Brush

## POWER SERIES

Crossbond understands better than anyone that quality is success.

Pre-defined quality checks at each stage of the manufacturing process helps confirm that the stringent standards and specifications set at the time of planning are actually met when the product is delivered.

All our manufacturing processes are ISO 9001:2015 certified. Continuous improvement in quality and lean manufacturing is always followed as a part of this certification.

Our organisation is ISO 14001:2015 accredited. We follow the best environmental practices worldwide so that our operations have the minimum impact on the environment.

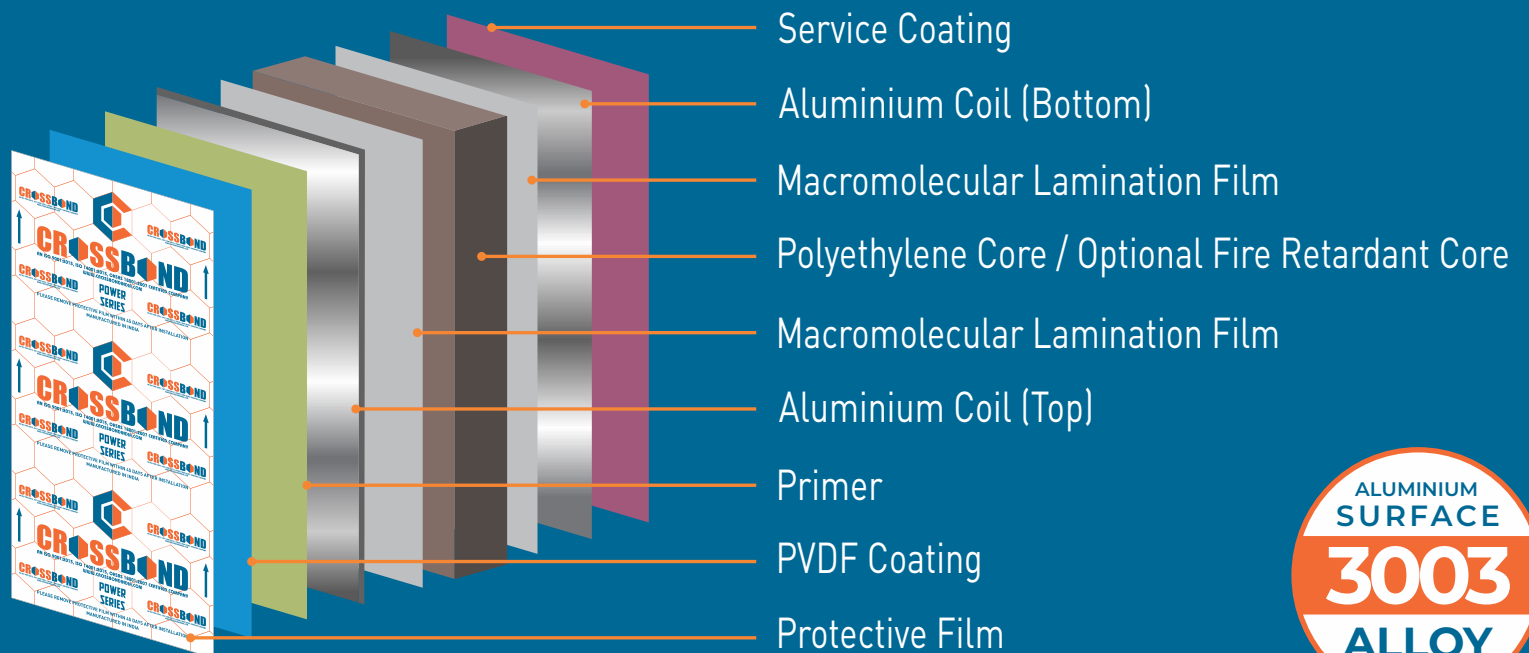
Our OHSAS 18001:2007 certification implies that we care greatly about the health and safety of our employees. Internationally accepted best practice are employed at our company to ensure employee safety, security and a mutual respect for the growth of the individual.

## QUALITY

## FEATURES

 Advanced Anti Fading Technology	 PVDF Coating	 Minimal Maintenance	 Low Carbon Footprint	 Termite Borer & Fungus Resistant	 No Trees Harmed	 Water Proof	 Chemical & Weather Resistant
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## PANEL COMPOSITION



# True Stone

*Create your legacy*



15 Year  
Warranty



Triple Coating  
FEVE



Advanced Anti  
Fading Technology



Synchronize  
Pattern



**NEW** Royal Black CB 701



**NEW** Imperial Red CB 702



**NEW** Kashmir Gold CB 703



**NEW** Kota Blue CB 704



**NEW** Jaisalmer Tan CB 705



**NEW** Madhurai Brown CB 706



**NEW** Himalayan Black CB 707



SAND  
SERIES

**THE NATURAL UNRIVALLED BEAUTY**





**NEW** Lime Stone CB 650



**NEW** Hawaii Sand CB 651



**NEW** Classic Grey CB 652



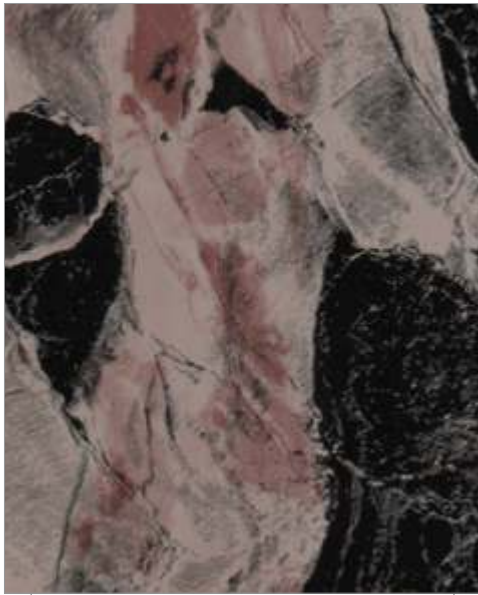
**NEW** Taupe Sand CB 653



**NEW** Charcoal Black CB 654



# MARBLE SERIES



**NEW** Emperor Black CB 438



Brown Fire CB 429



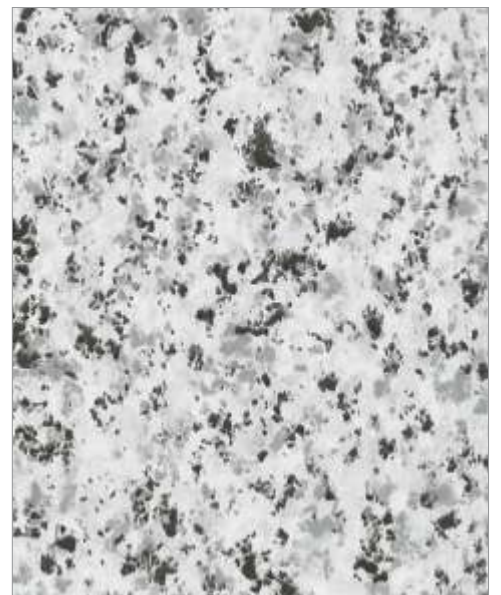
Black Pearl CB 433



Fantasy Brown CB 430



White Macaubas CB 428



Imperial White CB 424



Crema France

CB 437



Silver Travertile

CB 435



Monaco Brown(Glossy)

CB 436



Monaco Brown(Matte)

CB 432



Sand Brown

CB 431



Breaking Rock

CB 434



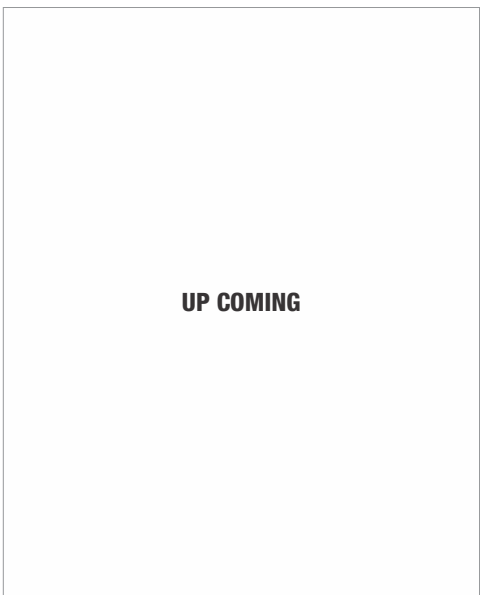
Italian Brown

CB 426



Statuario Venato

CB 427



UP COMING

# RUSTIC WOOD

ACP 3mm, 4mm, HPL 6mm



**NEW** Royal Oak

CB 486



Knotty Alder

CB 479



Foothill Pine

CB 482



Nova Teak

CB 478



Jaguar Teak

CB 481



Persian Walnut

CB 483



Sangria Oak

CB 484



California Teak

CB 480



Misty Oak

CB 485



Cedar Rich

CB 475



Siberian Wood

CB 476



Scrub Oak

CB 477



# EMBOSSED WOOD

ACP 3mm, 4mm, HPL 6mm

**CROSSBOND**<sup>®</sup>



Black Forest

CB 456



Natural Teak

CB 457



Smoke Oak

CB 452



Jurassic Macassar

CB 458



Red Oak Dark

CB 453



Midnight Oak

CB 454



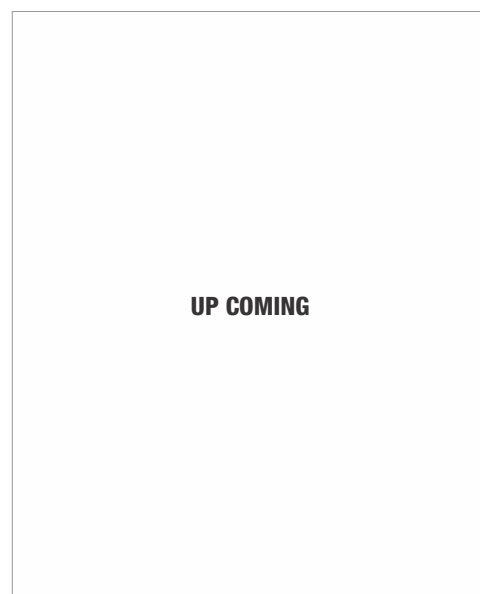
White Oak

CB 451



Smoke Ash

CB 455



UP COMING

# NATURAL WOOD

ACP 3mm, 4mm, HPL 6mm



Flowery Wenge

CB 413



Soft Sapelli

CB 402



English Walnut

CB 445





Ebony

CB 419



Dark Ebony

CB 406



Brazilian Walnut

CB 411



American Walnut

CB 412



Rose Wood

CB 403



Cherry Walnut

CB 410



Brown Oak

CB 414



Sapelli

CB 404



Elegant Teak

CB 401



# NATURAL WOOD

ACP 3mm, 4mm, HPL 6mm

**CROSSBOND**<sup>®</sup>



German Oak

CB 421



Colombian Walnut

CB 407



Natural Walnut

CB 408



Horizontal Walnut

CB 409



American Wenge

CB 405



Canadian Walnut

CB 440



Sorrel Teak

CB 441



Taupe Tropical

CB 443



UP COMING





Bright Silver CB 101



Metallic Silver CB 102



Champagne Silver CB 104



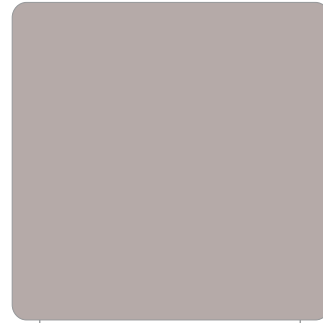
Champagne Gold CB 103



Rich Gold CB 216



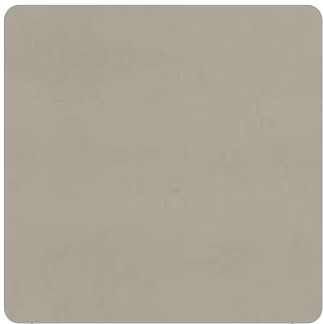
Magic Gold CB 106



Desert Rose Gold CB 119



Metallic Blue CB 110



Egyptian Bronze CB 105



Metallic Bronze CB 227



Copper Metallic CB 107



Pearl Copper CB 108



Jade Green CB 109



Smoke Silver CB 117



Silver Black CB 115



Row Grey CB 118



# SOLID SERIES



Pure White **CB 201**



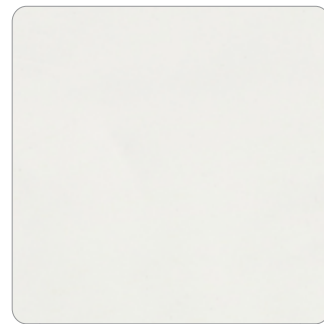
Ice White **CB 202**



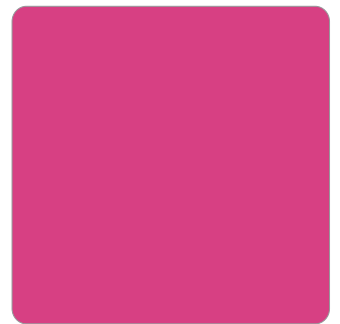
Off White **CB 225**



Milky White **CB 226**



Ivory White **CB 203**



Barbie Pink **CB 210**



Cherry Red **CB 238**



Signal Red **CB 211**



Brick Red **CB 240**



Chocolate Brown **CB 204**



Lemon Yellow      CB 217



Yellow      CB 209



Orange      CB 208



Burgundy      CB 212



Basil Green      CB 234



Apple Green      CB 224



Agri Green      CB 231



Emerald Green      CB 218



Grass Green      CB 239



Refreshing Green      CB 213



State Grey      CB 205



Jet Black      CB 215



Columbia Blue      CB 230



Lake Blue      CB 207



Sky Blue      CB 229



Royal Blue      CB 237



Signal Blue      CB 220



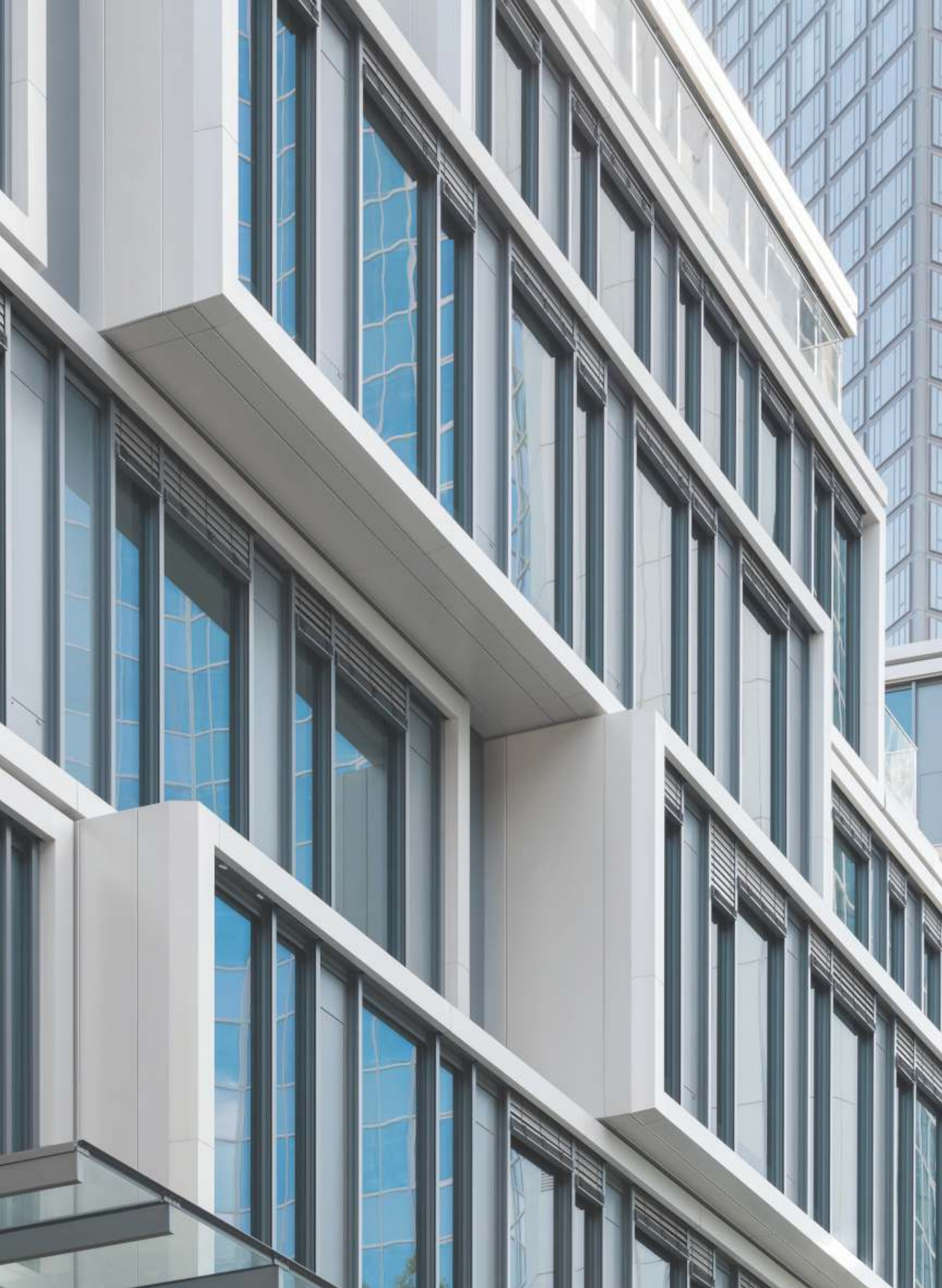
Duke Blue      CB 232



Navy Blue      CB 206



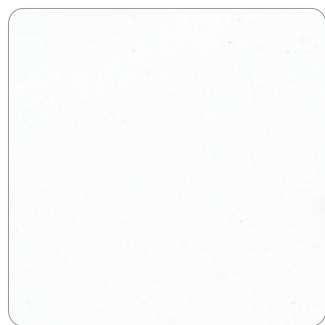
Purple      CB 219





# SPARKLING, HIGH GLOSS, ANTI SCRATCH, MIRROR, BRUSH SERIES

**CROSSBOND**<sup>®</sup>



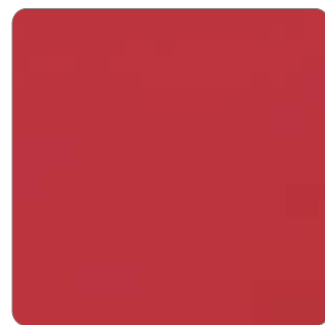
Sparkling White CB 415



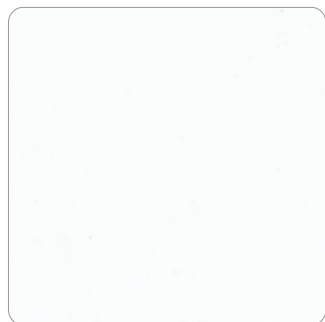
Sparkling Black CB 416



Sparkling Blue CB 422



Sparkling Red CB 423



Glossy White CB 221



Glossy Red CB 223



Glossy Black CB 214



**NEW** Glossy Blue CB 243



**NEW** Glossy Orange CB 244



Anti Scratch CB 602



Anti Scratch CB 604



Anti Scratch CB 605



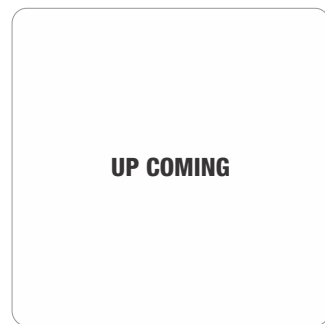
Copper Mirror CB 2034



Gold Mirror CB 113



Silver Mirror CB 114



UP COMING



Stainless Steel Brush CB 228



Gold Brush CB 111



Silver Brush CB 112



UP COMING

\*Mirror series recommended for interior use.

## CROSSBOND ELITE FR

### FR ACP

- Inhibits Fire Spread
- No Smoke
- No Droplets

### Regular ACP

- Active Fire Spread
- Smoke Development
- Flame Development

# CROSSBOND ELITE FR

tested by  
**warringtonfire**

## Understanding Fire Retardancy

Fire protection for a building starts at the planning stage. Minimizing fire risk, particularly in places with significant human traffic, such as, transit terminals, shopping malls, hospitals, schools and high-rise buildings is of utmost importance.

Throughout India, architects and building owners are required to meet stringent fire safety regulations aimed at protecting inhibitors and visitors of buildings.

Choice of materials used is very important and attention needs to be paid in selecting right grade of Fire Retardant (FR) Aluminium Composite Panel. An educated choice will help mitigate the risk caused by fire. Performance factors that need to be evaluated include core composition, spread of fire, droplets and smoke emission.

## WHY CROSSBOND ELITE FR

Crossbond Elite FR is the new generation exterior fire-retardant panel composed of two aluminium cover sheets sandwiched with a mineral filled polymer core. The aluminium surface is coil coated with an advanced PVDF/Lumiflon resin in a variety of finishes and colours.

Thanks to the mineral filled core Crossbond Elite FR meets all stringent fire regulations world-wide.

## Core Details

Crossbond Elite FR's patented core is formulated with a high percentage of Magnesium Hydroxide and Aluminium Oxide. These constituents are high quality non-halogenated FR materials. These materials are greatly non-combustible and do not produce toxic gases. The concentration of these materials is greater than 70%. Significant testing has proved that these materials restrict fire spread and no hazardous droplets are formed. Hence, Crossbond Elite FR is an extremely safe cladding solution against fire, for buildings worldwide.

Fire Behaviour / Class		Criteria	Compliance
German Standard	DIN 4102-1	Class B1	Compliant
European Union Standard	EN ISO 13501-1	Class B	Compliant
Flaming Droplets	EN 11925 - (d0)	Flaming droplets- None	Compliant
Fire Growth Rate	EN ISO 13823 - (s1)	FIGRA $\leq$ 200 W.s-1	Compliant
Total heat release in first 600sec		THR600s $\leq$ 7.5 MJ	Compliant
Smoke Growth Rate		SMOGRA $\leq$ 30m2.s-2	Compliant
Lateral Flame Spread		LFS - None	Compliant
Total smoke produced in first 600sec		TSP600s $\leq$ 50m2	Compliant
British Standard	BS 476	Class 0	Compliant
Fire propagation Index (I)	Part 6	Overall, I < 12 & sub i1 < 6	Compliant
Flame spread on Surface	Part 7	< 165mm for class 1	Compliant

**WIDE SPREAD  
PRESENCE**

**HEAD OFFICE**  
**FACTORY**  
**DEALERS / DISTRIBUTOR**



**PRODUCT SPECIFICATION**

Panel Dimensions	
<b>Standard Sizes:</b>	1220 x 3660 mm 1220 x 3050 mm 1220 x 2440 mm
<b>Coil Thickness</b>	0.25mm & 0.50mm
<b>Panel Thickness</b>	3mm to 6mm
<b>Coating</b>	PVDF
Product Tolerance	
<b>Thickness</b>	± 0.2mm
<b>Squareness</b>	Max 4.0mm
<b>Bow</b>	0.5% of Length & Width
*1525mm width and customized lengths available on request	

It is recommended to install the panels in the same direction as marked on the protective peel-off film and to remove the peel-off film within 45 days of install completion. To ensure color consistency, the total project requirement should be placed in one order. Company's warranty is limited to cost of product only.



### METRO PANELS INDUSTRIES

**Works :** Survey No. 757, Village Borisana, Taluka Kadi, District Mehsana, Gujarat-382715  
**Head Office :** D-20/1, 2nd Floor, Okhla Industrial Area, Phase-II, New Delhi-110020  
**Call :** +91-11-41740150  
**Email :** info@crossbondindia.com  
**Web :** www.crossbondindia.com

Follow us :      

### METRO DECORATIVE PVT. LTD.

**Works :** Village Oogli, Yamuna Nagar Road, Kala Amb, Himachal Pradesh-173030



An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Company

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