



Alubond[®]
U.S.A

Fire Retardant Metal Composites

THE WORLD'S LARGEST ACP MANUFACTURER

Visit alubond.com for enquires



GLOBAL PRODUCTION CAPACITY
25,000,000 M2

Global Reach

5 PRODUCTION BASES IN U.A.E,
OMAN, INDIA, SERBIA, TURKEY

6 A2 PRODUCTION
LINES

MARKETED & DISTRIBUTED IN
MORE THAN
100
COUNTRIES



ALUBOND GLOBAL HEADQUARTERS, UAE



ACP PRODUCTION



ALUBOND EUROPE **SERBIA** FACTORY



ALUBOND EUROPE SERBIA FACTORY



ALUBOND INDIA **MUMBAI FACTORY**



ALUBOND INDIA MUMBAI FACTORY



INTEGRATED FACILITIES

COIL COATING



INTEGRATED FACILITIES

FR - A1/A2 CORE PRODUCTION



INTEGRATED FACILITIES

FR - B1/B2 GRANULES PRODUCTION



**INTEGRATED
FACILITIES**
**BONDING ADHESIVES
PRODUCTION**



RAW MATERIAL STRATEGIC RESERVE



ALUBOND CANADA SHOWROOM

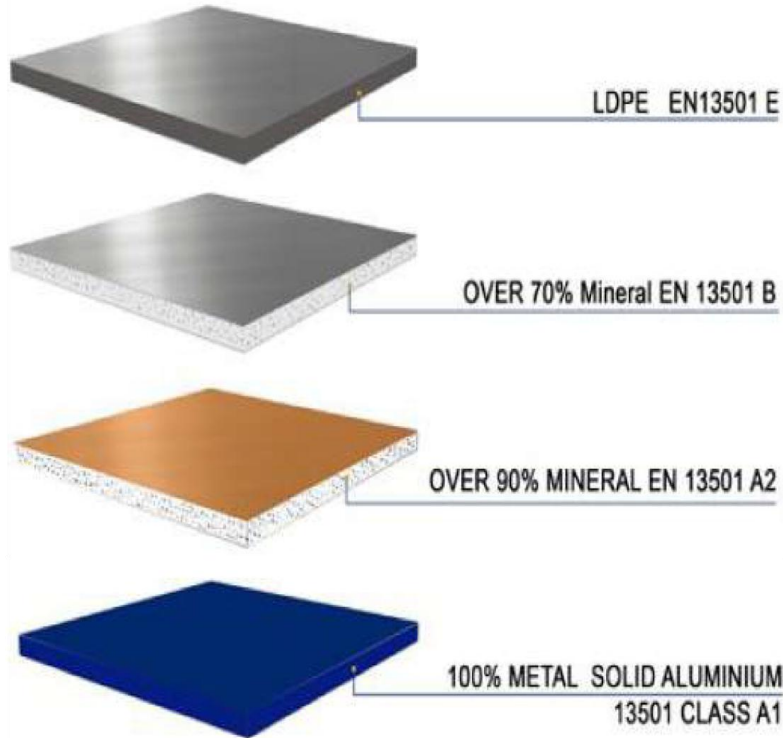


ALUBOND EGYPT SHOWROOM



Alubond Egypt

ALUBOND DIFFERENT TYPES OF CORES



PERFORMANCE	LDPE EN 13501 E	OVER 70% MINERAL EN 13501 B	OVER 90% MINERAL EN 13501 A2	100% METAL SOLID ALUMINIUM 13501 CLASS A1
Combustibility Rating	Combustible	Low Combustibility	Non Combustible	Non Combustible
NFPA 285/ BS 8414 Pass	No	Yes	Yes	Yes
ASTM E 84 Core Burning Class A Rating	No	Yes	Yes	Yes
ASTM D 1929 Ignition	No	Yes	Yes	Yes
EN 13501	E	B	A2	A1
Direct Flame Over 1000°C Fire Penetration	20 Seconds	18 Minutes	30+ Minutes	30 Seconds

Alubond[®]

An abstract graphic featuring dynamic, flowing splashes of orange and red liquid or smoke. The splashes are concentrated in the lower half of the image, creating a sense of movement and energy. The colors range from light orange to deep red, with some darker, more saturated areas. The overall effect is one of intense heat and motion.

FIRE PERFORMANCE

EN 13501 – PART 1

(NON-COMBUSTIBILITY TEST)

- A full classification serves as the standard of evaluation for the reaction to fire of construction and building materials.
- EN13501 - Part 1 test consists of EN 13823 and BS EN ISO 1716 Tests



EN 13501 - PART ONE : EN ISO 1182
(NON COMBUSTIBILITY TEST)



EN 13501 - PART TWO : EN 13823
SINGLE BURNING ITEM IN A ROOM



EN 13501 - PART THREE : SMALL
FLAME ATTACK



EN 13501 PART FOUR : EN ISO 9239
1 - WIND OPPOSED HORIZONTAL
SPREAD OF FLAME

NFPA 285 : 2021 STANDARD TEST

(WITH ANTI-SUBSTRUCTURE SYSTEM)

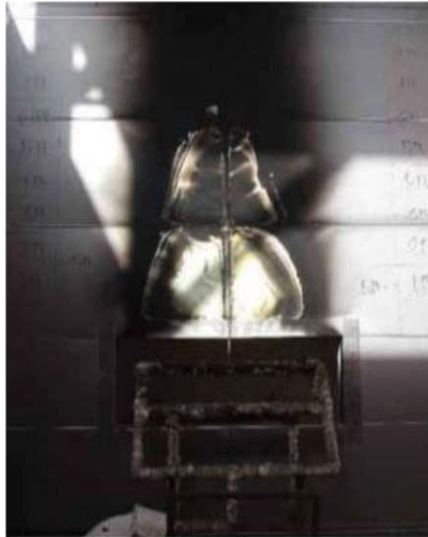
•Alubond (Alubond U.S.A A2 & Alubond U.S.A FR Euroclass B) undergoing the NFPA 285 Test in Two International Third Party Laboratories Intek USA and Thomas Bell-Wright International Consultants, U.A.E



NFPA 285 PANEL FACES PRIOR TO
FIRE TEST



EXTERIOR FACE AT 25 MINUTES OF
THE TEST



END OF THE TEST



WALL CAVITY IN WALL ASSEMBLY
AFTER FIRE TEST

RUSSIA – GOST R CERTIFICATION

FIRE TEST

Alubond (Alubond U.S.A FR-A2 & Alubond U.S.A FR Euroclass B) has undergone the GOST R Certification in Russia



NFPA 285 PANEL FACES PRIOR TO
FIRE TEST



EXTERIOR FACE AT 25 MINUTES OF
THE TEST



END OF THE TEST



WALL CAVITY IN WALL ASSEMBLY
AFTER FIRE TEST

ASTM E84 - 15B

Standard Test Method for Surface Burning Characteristics of Alubond (FR-A2, FR-B1)



STEINER TUNNEL FIRE MACHINE



FIRE EXPOSED INSIDE TUNNEL



CORE BEFORE THE TEST FIRE SIDE



CORE AFTER TEST
(LOCATED NEAR THE FIRE END)



CORE AFTER TEST
(LOCATED NEAR THE FIRE END)

ALUMINUM COMPOSITE PANEL

FIRE TEST

Panel burning test was conducted with direct flame at a temperature of 1500 OC on five different panels. The time the panels withstood fire was recorded as follows.

Time Withstood
by panel

00:20 seconds	●	LDPE Core
00:30 seconds	●	Solid Aluminium
55:00 seconds	●	Honeycomb Core A2 ACP
18:00 Minutes	●	B Core ACP
30:00 Minutes	●	A2Core ACP

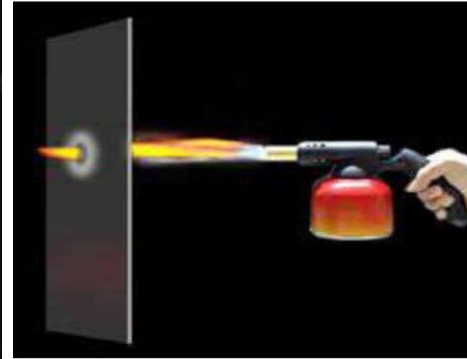
Panels

ALUMINUM COMPOSITE PANEL

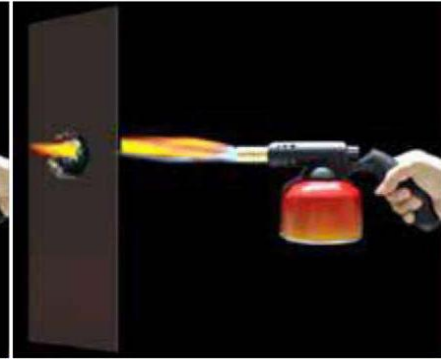
FIRE TEST



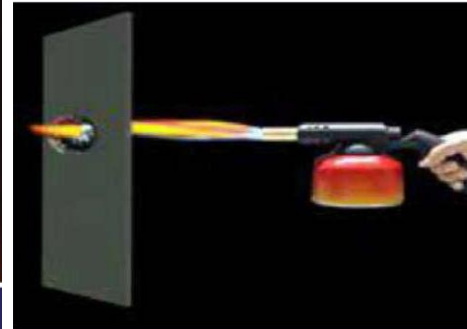
A2 MINERAL CORE - ACP PANEL - FIRE PENETRATED IN 30 MINUTES



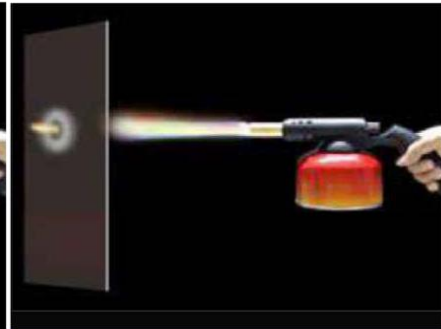
LDPE CORE - ALUMINIUM COMPOSITE PANEL FIRE PENETRATED IN 20 SECONDS



SOLID ALUMINIUM PANEL FIRE PENETRATED IN 30 SECONDS



HONEYCOMB PANEL - A2 - FIRE PENETRATED IN 55 SECONDS



B CORE - ACP PANEL - FIRE PENETRATED IN 18 MINUTES

CERTIFICATIONS

ALUBOND FR-A2



Intertek

Exova Listings : EN 13501-1 : 2007 A2,S1,d0

THOMAS BELL-WRIGHT LISTINGS: ASTM E84 - Class A,
ASTM D1929 - Self ignition more than 450°C, EN 13501-1 : 2007-A2,S1,d0

THOMAS BELL-WRIGHT LISTINGS: NFPA 285 Passed

BBA Listings : BS EN 13501-1 : 2007, Class B, S1, d0

LISTINGS: NFPA 285 - Passed, ASTM E84 - Class A, ASTM
D1929 - Self ignition more than 450°C

Dubai Civil Defense Approval

CERTIFICATIONS

ALUBOND FR-EUROCLASS B



Exova LISTING: BS 476 Part 6-class 0, Part 7 - Class 1

THOMAS BELL WRIGHT LISTINGS: ASTM E 84(CLASS A),
ASTM D 1929 (Self Ignition More than 450°C), EN 13501-1:2007 (Class B, S1,d0)

THOMAS BELL-WRIGHT LISTINGS: NFPA 285 Passed

BBA Listings : BS EN 13501-1 : 2007, Class B, S1, d0

Russian Gost R Certificate



Dubai Central Laboratory Certification of Approval

Alubond[®]

Our Projects



MAJOR PROJECTS

BURJ KHALIFA

WORLDS TALLEST BUILDING - DUBAI, UAE

ZENIT ARENA, ST. PETERSBURG

FIFA WORLD CUP 2018 – RUSSIA

DELOITTE AFRICA HEADQUARTERS

JOHANNESBURG, SOUTH AFRICA

ADDRESS HOTEL

DOWNTOWN – DUBAI, UAE

AFRICAN DEVELOPMENT BANK HQ

IVORY COAST

FOLKART TOWERS

ISTANBUL, TURKEY



YAS MARINA

ABU DHABI

RED STRIPE BUILDING

SERBIA

BEA CENTER

ITALY

HOLIDAY INN HOTEL

DUBAI, UAE

COLOMBO CITY CENTRE

SRILANKA

MALATYA HILTON

TURKEY



MUMBAI INTERNATIONAL AIRPORT, INDIA



INTERNATIONAL AIRPORT, BAHRAIN



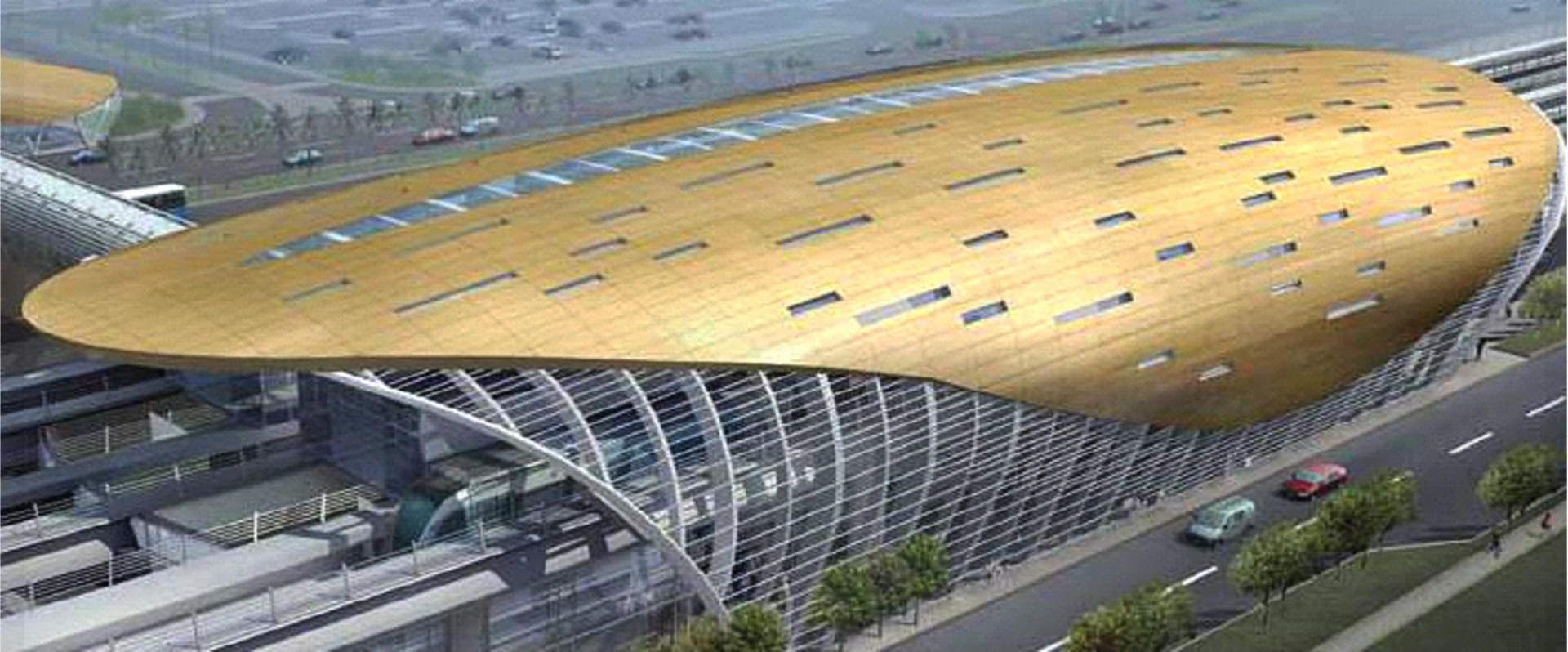
MAHE' INTERNATIONAL AIRPORT, SEYCHELLES

INDIAN RAILWAYS



INDIAN RAILWAYS APPROVAL FOR COACH MAKING





DUBAI METRO





RED STRIPE BUILDING, SERBIA



ZENIT ARENA – FIFA WORLD CUP STADIUM, RUSSIA



MUNICIPAL BUILDING, BELGIUM



DELOITTE, SOUTH AFRICA



AFRICAN DEVELOPMENT BANK, IVORY COAST



YAS MARINA, ABU DHABI



Hilton

Hilton
ISTANBUL GOZTEPE

GOZTEPE HILTON ,TURKEY

www.istanbulseyret.com

P>>>



FOLKART TOWERS, TURKEY



MALATYA HILTON, TURKEY



MD ENTERTAINMENT HQ,
JAKARTA, INDONESIA



QIPCO TOWER, QATAR



ALOFT HOTEL DCC, DUBAI

AIRPORTS



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

مطار أبوظبي
ABU DHABI AIRPORT



Dubai Airports
Connecting the World



مطار الشارقة الدولي
Sharjah International Airport

AUTOMOTIVE SHOWROOMS

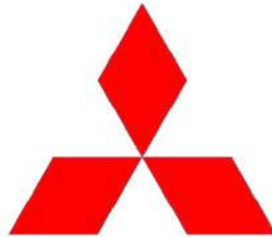


JAGUAR LAND ROVER
GLOBAL APPROVAL FOR
18000 SHOWROOMS

AUTOMOTIVE SHOWROOMS



BENTLEY



MITSUBISHI
MOTORS



PORSCHE



Cadillac

PETROL STATIONS



IndianOil

IOCL
APPROVAL
FOR
15,000 PETROL
STATIONS



اینوک
enoc

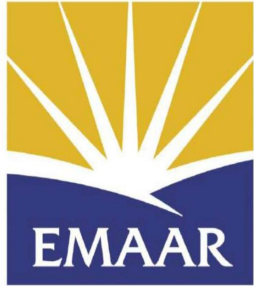


British Petroleum

PETROL STATIONS



DEVELOPERS



DAMAC

FASTFOOD
CORPORATE IDENTITY



PROJECT REFERENCES

SERBIA

COCA COLA H.B.C – Maša inženjering-Niš
DELTA CITY – Belgrade [MYS Architects]
AIRPORT CITY – Belgrade [Mašinoprojekt]
GRAWE OFFICES, Belgrade – Architect: Napred

ROMANIA

CONTINENTAL AUTOMOTIVE - ROMANIA [Architect:
Adrian Corduneanu]

ENGLAND

West Suffolk College

CZECH REPUBLIC

BUSINESS EDUCATION ACCELERATION CENTER
EDUCATIONAL Building - OLOMOUC, CZECH REPUBLIC
[Architect: Ing. Arch. Ladislav Opletal]

NETHERLANDS

EINDHOVEN AIRPORT - NETHERLANDS [Architect: KCAP
De Bevers]

ITALY

Terno D'isola Towers – Roncalli
Castelnuovo – STUDIO TRE
Petrucci Rossi - Marco Gaudenzi

PROJECT REFERENCES

PORTUGAL	NETHERLANDS
West Suffolk College	Terno D'isola Towers – Roncalli Castelnuovo – STUDIO TRE Petrucci Rossi - Marco Gaudenzi
TURKEY	MEXICO
DUMAN KAYA MIKS - ISTANBUL, TURKEY [Architect: Tago Architects] FOLKART TOWERS - IZMIR, TURKEY [Architect: Ahmet yagcioglu] ARISTA LIFE - ISTANBUL, TURKEY [Architect: Murat kader] GOZTEPE HILTON HOTEL - ISTANBUL, TURKEY [Architect: Gokhan Tunc	MOG, Sapopan Jalisco Toyota Hillo Acura, Guadalajara Jalisco Pabellon
SINGAPORE	USA
Bukit Batok Industrial Park - Fujinami Architects & Associates CT Hub @ Kallang Avenue - LAUD Architect Pratt & Whitney MRO Building - A.M.Associates Singapore Sports Hub - Apco Architects Town Planners Collaborative	Cadillac Showroom Bel Air Toyota Jaguar Land Rover Showrooms

PROJECT REFERENCES

INDIA

Wankhede Stadium – Architects: Shashi Prabhu and Associates
TRIL, Ramanujan IT City
Trident Oberoi - Maha Hotel Projects Pvt. Ltd

KINGDOM OF SAUDI ARABIA

Al Hasan the mall Yi-Madinah
AL Bustan Project – Architect: J&P
ITCC- Riyadh - Dar Al Riyadh
Jaguar Land Rover Showrooms Jeddah

QATAR

Navigation Tower - MZ & Partners
Qatar Foundation Head Quarters & Strategic Studies Centre
MINISTRY OF INTERIOR @ DOHA
Doha Mall - AMBB / Alunasa

KUWAIT

Kuwait University
Othman Tower
Legal and Judicial Complex

PROJECT REFERENCES ALUBOND A2

UNITED ARAB EMIRATES

MEDICLINIC PARKVIEW HOSPITAL- DUBAI, UAE
[Architect: Stantec International]

RAWDHAT RESIDENTIAL BUILDING - ABU DHABI, UAE
(CLIENT EMIRATES LAND GROUP I ENGINEERING SINERGO CONSULTANT JLA INTERNATIONAL)

ELITE-10 - DUBAI, UAE consultant: Barjeel Engineering Consultant

AL WAFRA, AL REEM ISLAND - ABU DHABI, UAE
CONSULTANT: KED INTERNATIONAL ,CONTRACTOR: SEIDCO GENERAL CONTRACTING

RESIDENTIAL BUILDING, AL BARSHA - DUBAI, UAE
contractor : Modern Building Contracting Co. LLC

ALOFT CITY CENTRE, DEIRA - DUBAI, UAE client: Majid Al Futtaim

WORLD TRADE CENTRE L.L.O - DUBAI, UAE consultant: WSP
MIDDLE EAST LTD & HOPKINS ARCHITECT DUBAI LTD. contractor: Al Futtaim Carillion LLC

TIARA UNITED TOWERS, BUSINESS BAY - DUBAI, UAE
client: Zabeel Investments

MANARA TOWER - DUBAI, UAE

NIGHT MARKET & BOARDWALK, DEIRA - DUBAI, UAE
client: Nakheel pjsc I Consultant: AE7

PROJECT REFERENCES ALUBOND A2

UNITED ARAB EMIRATES

RESIDENTAL BUILDING, NAD AL HAMAR - DUBAI, UAE client: Naresco Contracting LLC

BAHWAN TOWER DOWNTOWN - DUBAI, UAE client: Arif & Bintook Engineering Consultants

ISUZU TRAINING CENTER FACILITY JAFZA - DUBAI, UAE client: Awaj Engineering Consultants

RESIDENTAL BUILDING, AL RAWADA - DUBAI, UAE client: Pakheel Engineering Consultant [CONTRACTOR INT CONTRACTING]

AJMAN HADEEF TOWER - AJMAN, UAE

PROJECT REFERENCES ALUBOND EUROCLASS B

UNITED ARAB EMIRATES	
MEENA TOWER- ABU DHABI, UAE [consultant: KEO International Consultant]	GREEN PLANET - DUBAI, UAE [Consultant:Rambool Middle East]
FERRARI WORLD YAS MARNIA - ABU DHABI, UAE [Contractor: sixco]	W HOTEL , PALM JUMEIRAH - DUBAI, UAE [Client:Nakheel]
AMITY SCHOOL - ABU DHABI, UAE [Consultant: Dewan Architects & Engineers]	ROVE HOTEL - DUBAI, UAE [Consultant: Arch Group]
CITY OF LIGHTS, REEM ISLAND - ABU DHABI,UAE [Client: Shaikh Tahnoun, Royal Group]	BLUE WATERS - DUBAI, UAE [Client MEERAS I Contractor: AFC/HLG]
RIBBON, MOTOR CITY - DUBAI, UAE [Consultant: Engineering Consulting Group]	TAMWEEL TOWER - DUBAI, UAE [Consultant: ALec]
AL SARAYA RESIDENTIAL TOWER - ABU DHABI,UAE	AL MAFRAQ HOSPITAL - ABU DHABI, UAE [Contractor: Al Habtoor Leightoor Leighton Group]
POST OFFICE TOWERS - ABU DHABI,UAE [Consultant: Arch Group Engineers]	ALOFT HOTEL - ABU DHABI, UAE [Consultant: Arup]
RAYAN COMPLEX, AL ABBAR, AFTER SAHARA CENTER - SARJAH, UAE	



Our Approved Substructure Systems

ALUBOND CIVIL DEFENCE APPROVED SYSTEMS

S.NO	ALUBOND USA PRODUCTS REF	CERTIFIED SYSTEM REF .DETAILS	CHANGES OF ACCESSORIES INVOLVED IN SYSTEMS
1	4mm Thick Alubond USA FR-A2 (Mechanical closed Joint)-TK	TBW0300137.2	Sealant-Dowcorning 700, GI "U" Channel, insulation 50mm thick and 75 kg/m3 Density Fujerah Rock wool
2	4mm Thick Alubond USA FR-A2 (Mechanical closed Joint)	TBW0300155	Sealant-INCA2460, mineral wool filler, Insulation 50mm thick and 50 kg/m3 Density Fujerah Rock wool
3	4mm Thick Alubond USA FR-A2 (Open Joint)	TBW0300156	Special Aluminium Profiles with Insulation 50mm thick and 50 kg/m3 Density Fujairah Rock wool
4	4mm Thick Alubond USA FR-A2 (Mechanical closed Joint)	TBW0300165 (3hRS Fire rated Assembly)	Sealant-INCA2460, mineral wool filler, Insulation 50mm thick and 50 kg/m3 Density Fujairah Rock wool
5	4mm Thick Alubond USA FR-A2 (Mechanical closed Joint)	TBW0300232	Sealant-Tremco, Al "U" Channel, Insulation 50mm thick and 24 kg/m3 Density Knauf glass wool with Tube shape Runner

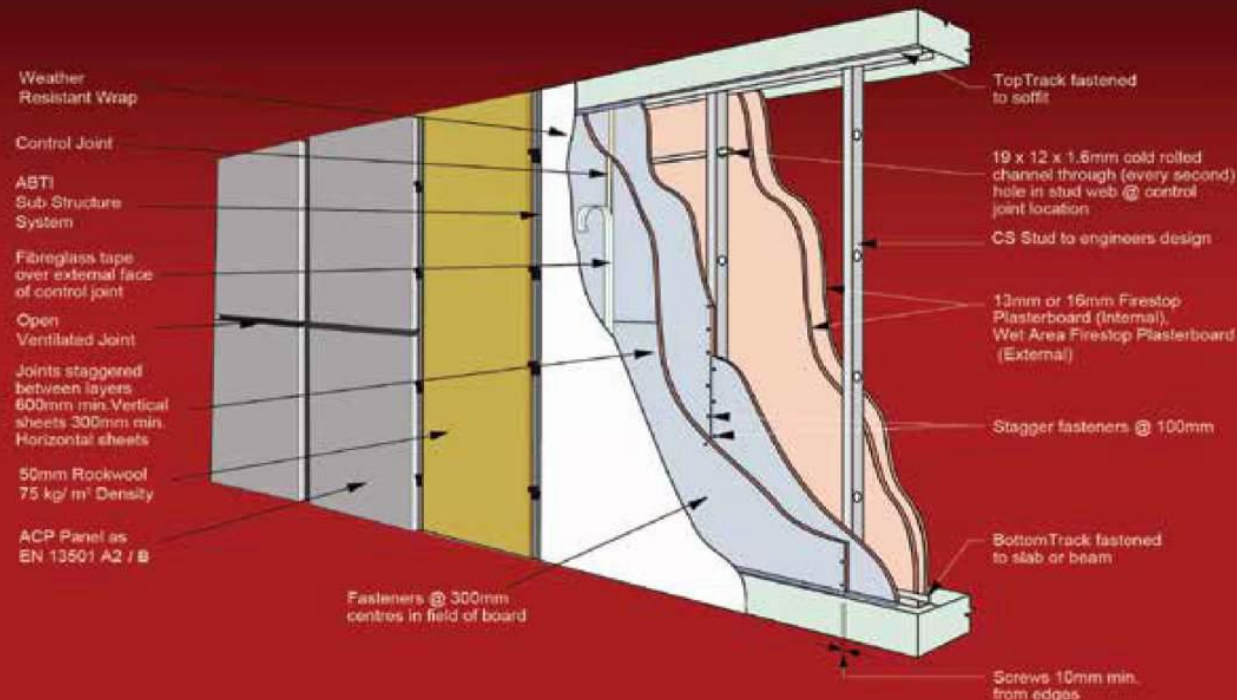
S.NO	ALUBOND USA PRODUCTS REF	CERTIFIED SYSTEM REF .DETAILS	CHANGES OF ACCESSORIES INVOLVED IN SYSTEMS
6	6mm Thick Alubond USA FR-A2 (Mechanical closed Joint)	TBW0300212	Sealant-Ever build 825 weather, Al "U" Channel, Insulation 50mm thick and 36 kg/m3 Density Knauf glass wool
7	4mm Thick Alubond USA FR-Euroclass B (Mechanical closed Joint)	TBW0300245	Sealant-ever build 825 weather, Al "U" Channel, Insulation 50mm thick and 36 kg/m3 Density Knauf glass wool
8	4mm Thick Alubond USA FR-Euroclass B (Open Joint)	TBW0300129.2	Special Aluminum Profiles with Insulation 50mm thick and 50 kg/m3 Density Fujairah Rock wool
9	6mm Thick Alubond USA FR-Euroclass B (Mechanical closed Joint)	TBW0300138	Sealant-Dow coming 700, GI "Channel, insulation 50mm thick and 75 kg/m3 Density Fujairah Rock wool

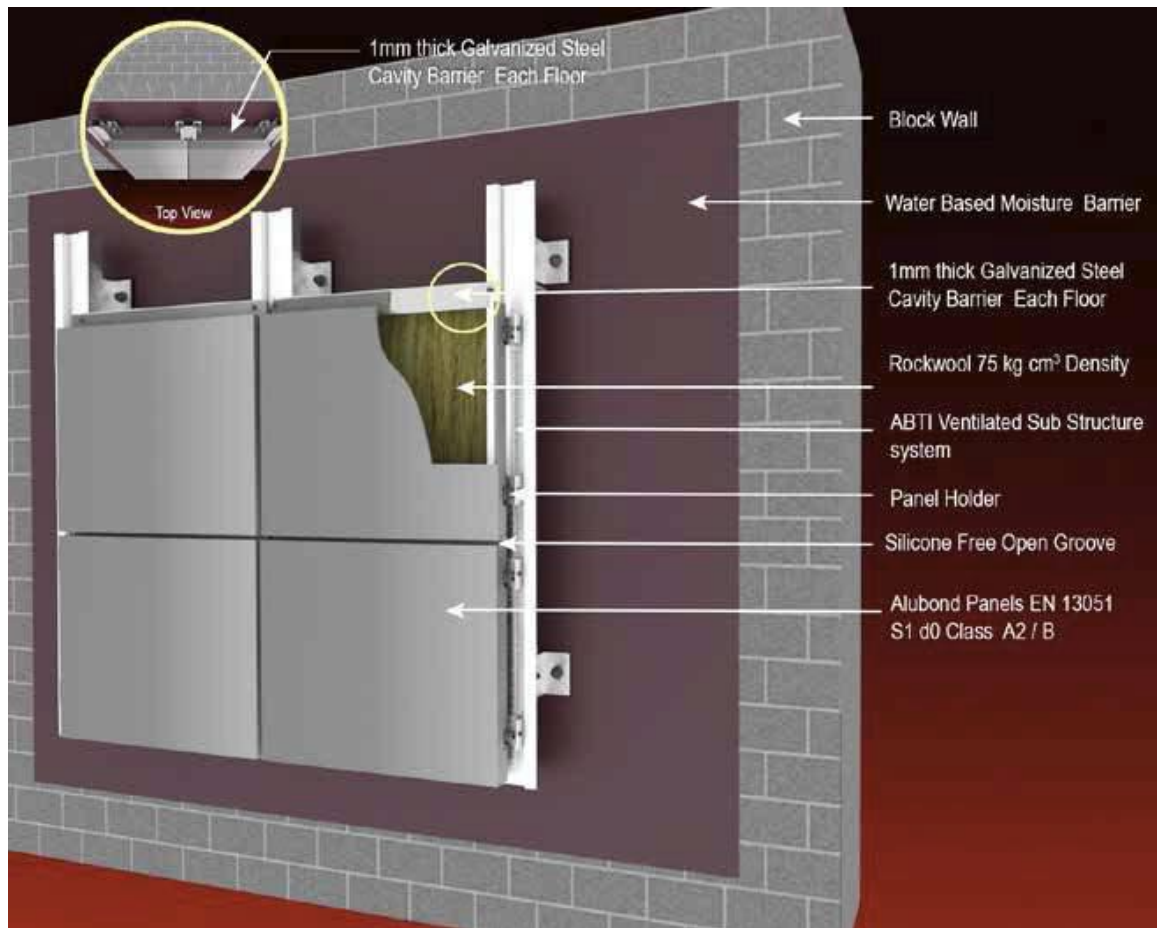
ALUBOND

U.S.A FR-A2

ACP CLADDING

120 MINUTES RATED FIRE WALL WITH A2/B ALUBOND STONE PANEL CLADDING





Silicon Free Open Groove NFPA-285

Compliant Ventilated
Substructure system
Certified by Third
party

SILICON FREE VENTILATED OPEN GROOVE SUBSTRUCTURE

ABTI - OPEN GROOVE VENTILATED SYSTEM WITH CAVITY BARRIER EACH FLOOR
TYPICAL PANEL VERTICAL FIXING DETAILS RAIN SCREEN CLADDING

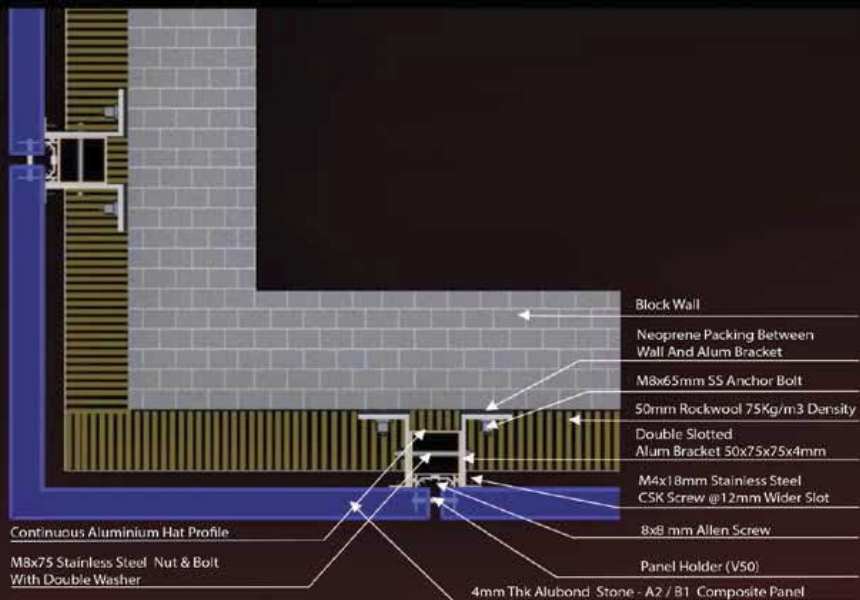


ABTI - OPEN GROOVE VENTILATED SYSTEM
TYPICAL HORIZONTAL FIXING DETAILS RAIN SCREEN CLADDING

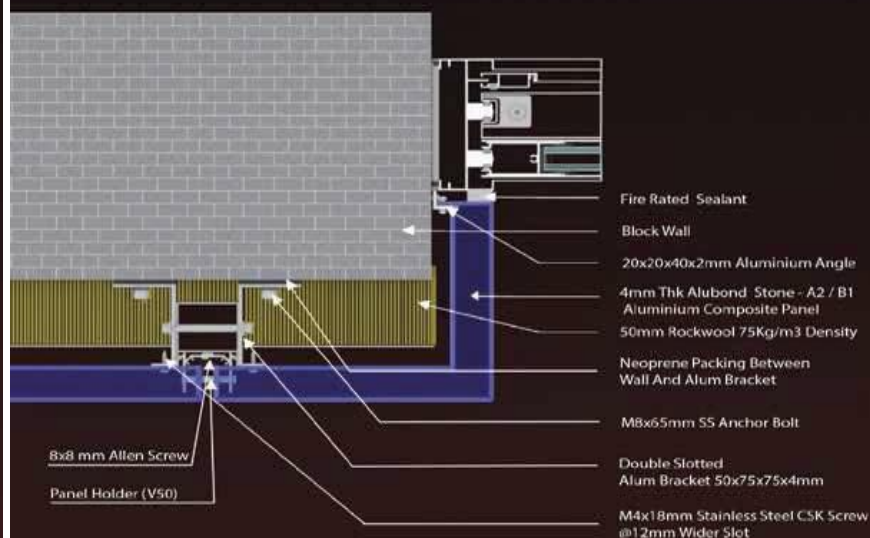


SILICON FREE VENTILATED OPEN GROOVE SUBSTRUCTURE

ABTI - OPEN GROOVE VENTILATED SYSTEM
TYPICAL CORNER PANEL FIXING DETAILS RAIN SCREEN CLADDING



ABTI - OPEN GROOVE VENTILATED SYSTEM
TYPICAL PANEL TO WINDOW PROFILE FIXING DETAILS RAIN SCREEN CLADDING





THANK YOU