



UWDMA- TECHNICAL COMMITTEE MEETING 2018
MINUTES OF MEETING
Lemon Tree Premier, Aero City, NEW DELHI.
11th APRIL, 2018

Members	UWDMA Technical Committee Members
Members Invited	Mr. Mario Schmidt, Mr. Farid Khan, Mr. Satish Kumar, Mr. YP Singh, Mr. Rajesh Chawla, Mr. Ullas Guliani, Mr. Robert Hoellrigl, Mr. Arun Sharma, Mr. Ashok Verma, Mr. Goronwy Jones, Mr. MN Sridhar, Mr. Piyush Patel, Mr. Navi Ahuja, Mr. Ashim Chugh, Mr. Sanjeev Matto, Mr. Anjan Putatunda, Ms. Jignasa Suthar, Mr. Sabeesh.Chakkikulangara, Mr. Abhinav Bhushan, Ar. Vakul Arora, Mr. Niten Patial, Mr. Raman Dhiman,
Members Present	Mr. Mario Schmidt, Mr. Satish Kumar, Mr. Ashok Verma, Ar. Vakul Arora, Ms. Shalini Jaiswal, Mr. Niten Patial, Mr. Raman Dhiman, Mr. Abhinav Bhushan, Ms. Shalini Jaiswal, Mr. Sumit Ghosh, Mr. Piyush Jain, Mr. Sanjeev Mattoo, Mr.Nandeesh palagatti, Mr. Hitesh Yadav, Mr. Manjit Singh Grewal, Mr. Vijay Nawariya.

Points discussed

1	Welcome Address
2	Introduction of Manual, Frame work Overview, General discussion on draft prepared by Mr. Robert Hoellrigl
3	Deliverables from Members
4	Discussion on Anchors Types and Application
5	Discussion on Sealants and Foam Types and Application
6	Discussion on Draft of Installation Guideline
7	Discussion on feedback and revision
8	Deadline to send all deliverables by 25/04/2018

Activities / Discussions:-		Action By
Welcome Address	1. Welcome Address by Technical Committee Leader & UWDMA Secretary Mr. Satish Kumar. 2. Agenda:	Mr. Satish Kumar

	<ul style="list-style-type: none"> • Framework explained. • Overview of installation manual. • Discussion on draft prepared by Mr. Robert. • Technical Discussion • Deliverables from Members. 	
	Introduction of Installation:	
Introduction of Installation Manual	Expansion Gap: -Expansion gap for material need to mention. (Refer to Deceuninck manual chapter 2.1-2.4).	Ar. Vakul Arora
	Anchors Types, Usage: - Base Material will play a major role while fixing anchors. Quality of Base material need to mention. -Details of IS Codes for Bricks (Base material will be shared by Team Hilti). -Use of Anchors should be as per Wind load. -Position of window frame from edge should be min. 50 MM. Coating on Anchors: -Polyamide sleeves with Zinc plated screws/galvanized up to 5 Micron is standard for anchors.	Mr. Nandeesh & Mr. Sanjeev Mattoo (Team Hilti)
	Use of Sealants: -Ideal gape between frame and wall is 4-6 MM, maximum can be 20 MM. -Types of Silicon, method of installation, use of backer rod before silicon is required. Details and draft will be shared by Team McCoy. Standards procedure to use Sealants: -Use of Backer rod is required to provide support to Silicon for better finish. Silicon & Foam: drawings will be created and adopt from McCoy`s guideline.	Mr. Nitin Patial (Team McCoy Soudal)
	Glass Support: Reference to Deceuninck Installation Manual Chapter 4.1 (4.11 & 4.12) Ar. Vakul Arora will share details.	Ar. Vakul Arora
	Packers Details: Information and details about Glass and Profile packers will be shared by Team Encraft and Team Fenesta.	Ms. Shalini Jaiwal & Mr. Manjit Grewal

	<p>Plum Level:</p> <ul style="list-style-type: none"> -Spirit level Check -Water level Check -Traditional Soul method <p>*Pictures and details will be shared by Ms. Shalini Jaiwal and Mr. Abhinav Bhushan.</p> <p>*Hilti Team will share details about Ledger instrument to check plum level.</p>	<p>Ms. Shalini Jaiswal, Mr. Abhinav Bhushan & Mr. Manjit Grewal</p> <p>Mr. Nandeesh and Mr. Sanjeev Mattoo</p>
	<p>Hazards:</p> <p>Mccooy team will share details about wear and tear of windows.</p> <p>Pictures Required to show:</p> <ul style="list-style-type: none"> -Gasket torn -Hardware problem -Installation problem -Wrong procedure use while installation. 	<p>All members</p>
	<p>Additional Information:</p> <ul style="list-style-type: none"> -Storing of Windows -Handling of Windows :Load, Unload 	
	<p>Balcony Door Installation issues:</p> <ul style="list-style-type: none"> -Drawings will be shared by Ar. Vakul Arora -Threshold in sliding and casement examples pictures and drawings required. 	<p>Ar. Vakul Arora</p>
	<p>Best Practices for window delivery:</p> <p>Check List:</p> <p>After window installation checklist will be shared by Team Fenesta.</p> <p>ESI/Insurance: Statutory advise</p> <p>Couplers:</p>	<p>Mr. Manjit Grewal</p> <p>Ms. Shalini Jaiwal</p>

	Architraves, sill cover profiles: details will be shared by Team Encraft	
	Reinforcement: Types of section and per frame/sash design How to use hardware Hardware usage information, specification and requirement will be required form Hardware manufacturers.	Mr. Abhinav Bhushan All Hardware Manufacturer and supplier members (Mccoy, LGF, DNV, Siegenia, Kinlong, Metalkraft, etc.
Types of Anchors & usage	-Base material plays a major role while fixing anchors. -Proper Cleaning of holes after drilling is essential. -Polyamide sleeves with zinc plated screws up to 5 micron is ideal anchors.	Team Hilti
Types of Sealants & Foam	Silicon and Foam application draft will be shared by Team Mccoy Ideal gape size for Silicon is 5 MM Ideal gape size for Foam is 10 MM Backer rod is essential to support silicon and foam. Types of Silicon and Best suitable for uPVC: -General Purpose(GP) is widely used but not suitable for uPVC -Acrylic silicon should be used inside and Neutral Silicon is for outside.	Mr. Niten Patial
UWDMA Guideline	<u>Content of UWDMA Guideline and Discussion</u>	
1.	<u>Survey</u> <ol style="list-style-type: none"> 1. Sizes 2. Expansion Gap 3. Safety: <ul style="list-style-type: none"> ✓ Glass type ✓ Design ✓ Feasibility ✓ Child Safety ✓ Grills ✓ Scaffolding ✓ Electrical Conduit & Connection 4. Aperture Preparation <ul style="list-style-type: none"> ✓ Floor Condition Preparation 5. Storage/handling of windows 6. Best practices for windows delivery 	
2	<u>Installation procedures for different types of wall conditions</u>	

	<ol style="list-style-type: none"> 1. Type of Base material 2. Type of Anchors, Coating, No. of Anchors 3. Installation Procedure 4. Profile Packers, glass Packers 	
3	<p><u>Installation procedures for different type of floor or cladding conditions</u></p> <ol style="list-style-type: none"> 1. No of Anchors 2. Expansion gap 3. Profile packers – importance 4. Floor level inside and outside. Drainage holes shouldn't get covered 5. Sash-Frame Overlap 6. Alignment 7. Strikers Fixing 8. Glass Fixing 	
4	<p><u>Do's and Don'ts for Installation</u></p> <ul style="list-style-type: none"> -Removal of Protection tape -Cleaning of Profile -Cleaning of Glass -Recommendation on handing over -Hardware -Reinforcement -Sub frame 	
5	<p><u>Best Practices for Windows delivery and Windows Handling, Transportation:</u></p> <ul style="list-style-type: none"> -Storage of Windows -Glass at Site -Safety Measure at site 	
6	<p><u>Templates for Special Windows:</u></p>	
UWDMA Fabrication Manual Discussion	<p><u>Revision/Feedback on UWDMA fabrication Manual: (Discussion)</u></p> <ul style="list-style-type: none"> -Steel Reinforcement type and class to be added -Change in Steel reinforcement IS Codes in UWDMA fabrication manual as per suggested by Mr. Nikhil Gupta. (IS 277 GP 120 GSM/ 275 GSM Raw material use IS 277 and process IS 511 for cold roll forming). -<u>Manufacturing Tolerance (refer UWDMA Fabrication Guideline Chapter 7.2 Page 13:</u> -Minimum Tolerance need to define. Need feedback from Window Manufacturer. 	<p>Mr. Nikhil Gupta</p> <p>All Window Manufacturers need to send feedback on same.</p>

*Errors and omission are unintentional.