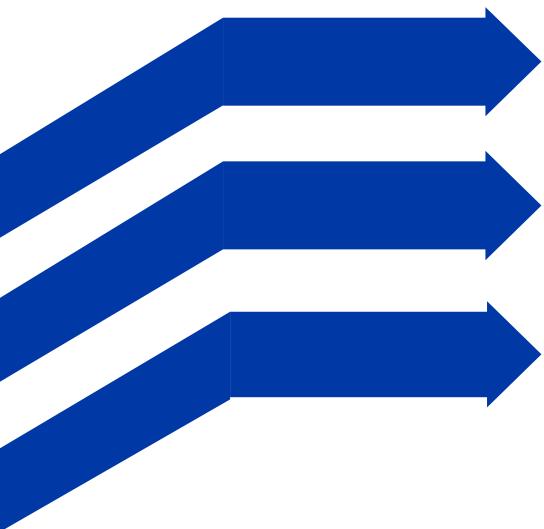




H.B.Fuller – Bus Portfolio



Agenda



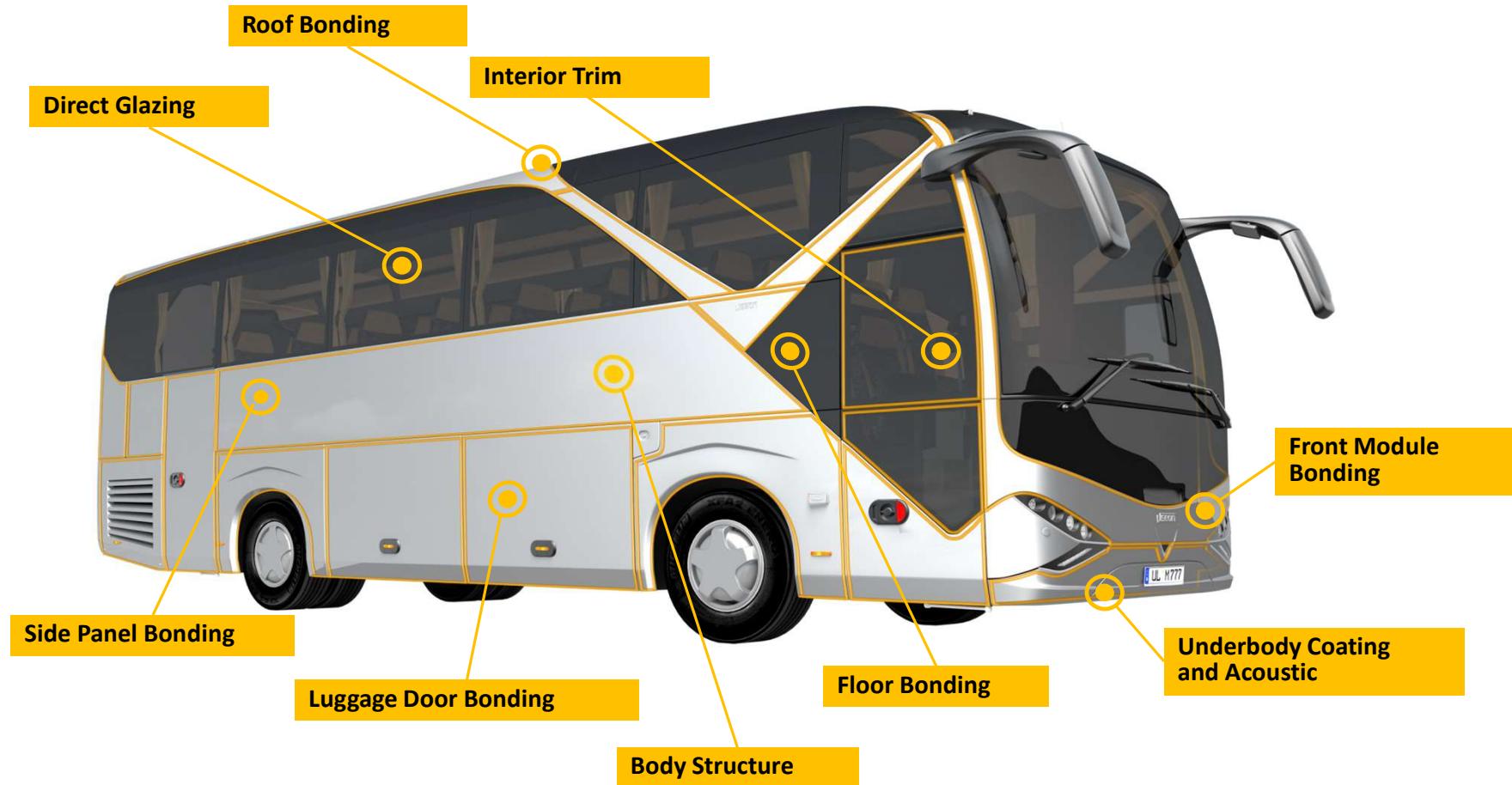
TOPIC

- Workplace Conditions
- Substrates Information
- Application- Bonding/Sealing
- Pre-Treatments
- Sealant/Adhesive Application - Factors affecting bonding performance
- Tooling & Finishing
- Cleanup & Waste Disposal
- Quality Assurance
- Adhesion Testing
- Storage Conditions

BENEFIT

- Right way of doing things
- Upgrading Knowledge-New Developments
- Refresher training
- Reviewing application related issues with experts- problem solving
- Get new IDEAS-improvements in process
- Quality Objectives
- Total customer satisfaction
- Improve production
- Minimization of defects
- Achieve cost reduction
- Reduce wastage

TYPICAL OVERVIEW OF KEY APPLICATIONS IN BUS



Applications Bonding and Sealing

- Paneling
- Roof sheet bonding and sealing applications
- AC Unit mounting
- Exterior sealing at paneling line
- FRP Mask bonding – Front & Rear Mask
- Trim/Assembly Line – Glass bonding
- Paint Shop
- Exterior Sealing applications



Interior and Exterior Sealing

** images are for examples and reference only and not for any other purpose.

Properties:

- Overpaintability
- Bubble Free and Finish.
- Mostly Primerless application



PRODUCT PROPOSED DESCRIPTION

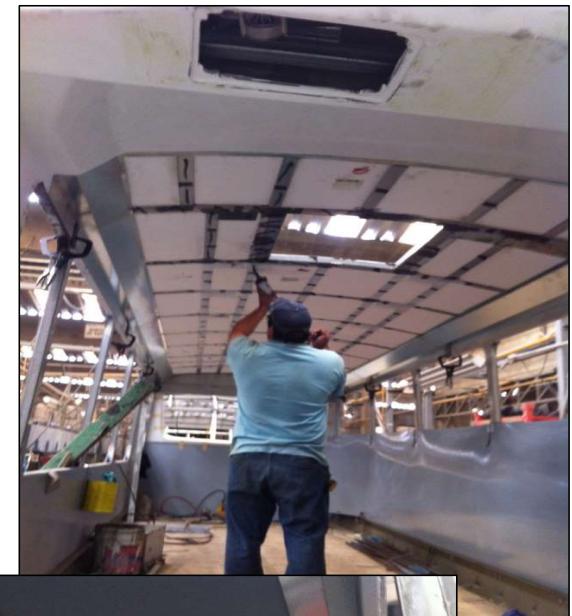
AT-3160	STP sealant for internal sealing and overpainting.
STP-1921 white	STP sealant for internal sealing and overpainting.
STP-1921 Black	STP Sealant for exterior sealing with excellent weather resistance



Assembly Bonding

Properties:

- Excellent working characteristics
- Good non sag properties
- Good Adhesion



PRODUCT PROPOSED	DESCRIPTION
MS-107	1-C Modified Silane for primer-less assembly bonding .
PU-126	1-C Polyurethane for assembly bonding.
STP-1921	1-C STP for semi structural bonding
Activator 576 CL	Cleaner & Activator
Primer 582 PR	Black Primer



MASK and ROOF Bonding

Properties:

- Excellent working characteristics
- Good non sag properties
- Good Adhesion



PRODUCT PROPOSED	DESCRIPTION
MS-107	1-C Modified Silane for primer-less assembly bonding .
PU-126	1-C Polyurethane for assembly bonding.
STP-1921	1-C STP for semi structural bonding
Activator 574 CL	Cleaner & Activator
Primer 582 PR	Black Primer



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Direct Glazing

Properties:

- Excellent working characteristics
- High initial strength
- Accelerated systems
- Excellent weathering resistance



PRODUCT PROPOSED	DESCRIPTION
PU-126	1-C Polyurethane for assembly bonding.
STP-1921	1-C STP for semi structural bonding
Korapop -240/250	1C/2C Booster MS Adhesives and Sealants
Cleaner 574 CL	Cleaner & Activator
Primer 586 PR	Black Primer

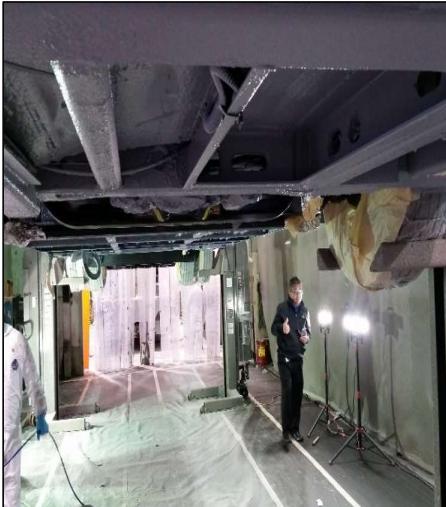


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Other Application

Properties:

- Excellent working characteristics
- Better Salt Spray resistance
- VOC free adhesives



PRODUCT PROPOSED	DESCRIPTION
PVC Carpet Bonding	2K PUD Swifttak-40862
Under Body Coating	Water Based Hydroarmor Anti Chip Coating
Butyl Sealant	1C Butyl Sealant and Adhesives
Double Sided Tape	Very High Bonding Structural Tape
Trim Bonding	Hotmelt Adhesive
Roof Sealing Tape	Rain Protection Tape for water leakage



Thank you

