



## 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

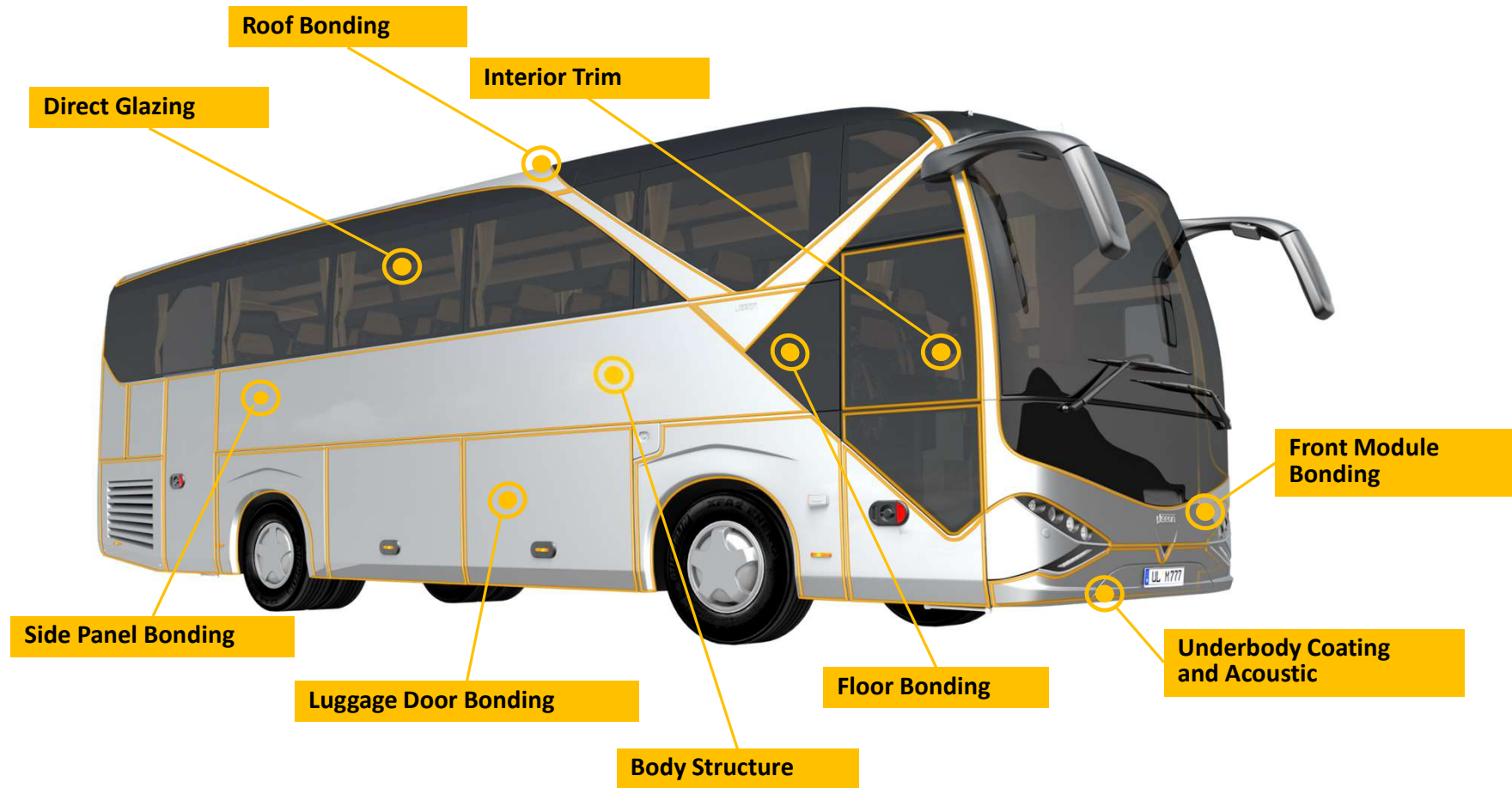
- Right way of doing things
- Upgrading Knowledge-New Developments
- Refresher training
- Reviewing application related issues with experts- problem solving
- Get new IDEAS-improvements in process
- Quality Objectives
- Total customer satisfaction
- Improve production
- Minimization of defects
- Achieve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



**H.B. Fuller**

Connecting what matters.™

## 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



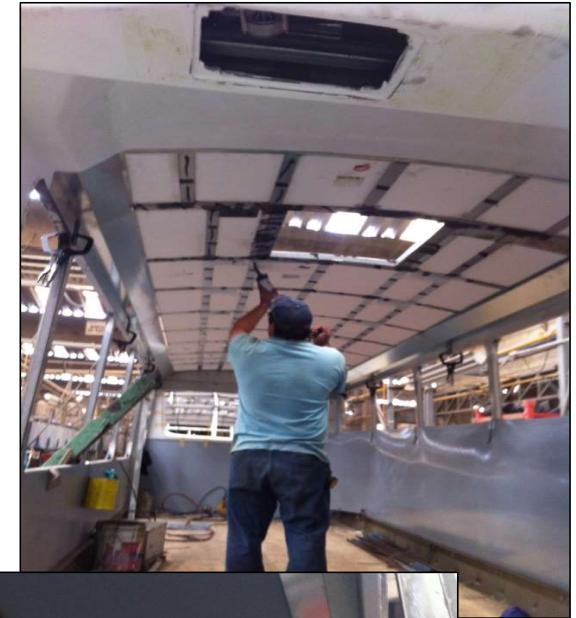
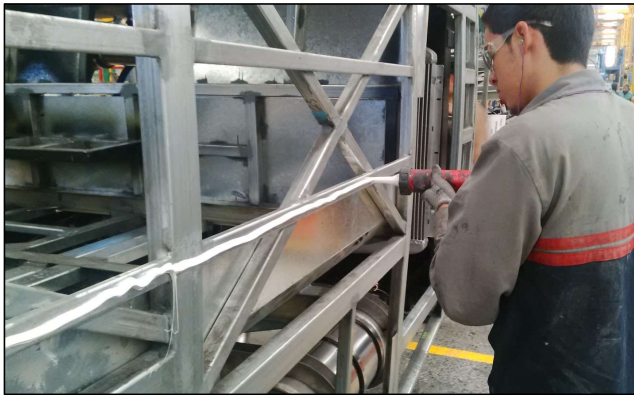
PRODUCT PROPOSED	DESCRIPTION
AT-3160	STP sealant for internal sealing and overpainting.
STP-1921 white	STP sealant for internal sealing and overpainting.
STP-1921 Black	STP Sealant for exterior sealing with excellent weather resistance



## 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
<b>MS-107</b>	1-C Modified Silane for primer-less assembly bonding .
<b>PU-126</b>	1-C Polyurethane for assembly bonding.
<b>STP-1921</b>	1-C STP for semi structural bonding
<b>Activator 574 CL</b>	Cleaner & Activator
<b>Primer 582 PR</b>	Black Primer



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

## Direct Glazing

### Properties:

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



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



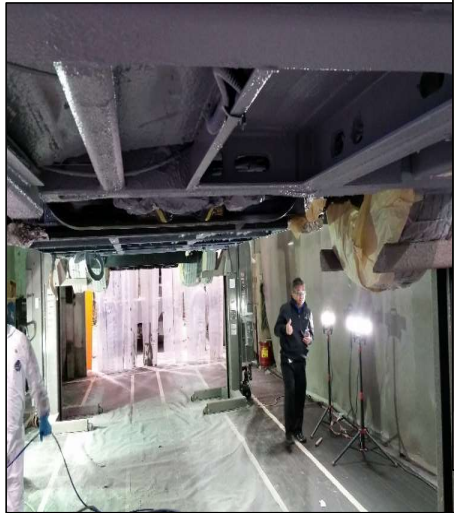


\*\* images are for examples and reference only and not for any other purpose.

## 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 Buty 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

