



CONNEX DIGITAL ADAS

(Advanced Driver Assistance Systems)

MAHLE
TechPRO®

BRANCHES:
GAUTENG
DURBAN
CAPE TOWN

**Call/SMS
or Whatsapp**

 **079 873 5433**
 **065 638 1895**
 **011 425 5178**

ADAS.SA
ADVANCED DRIVER ASSISTANCE SYSTEM
MOBILE CALIBRATION



ACW30D POLYURETHANE ADHESIVES



ACW 30 D POLYURETHANE SEALER
High Performance Polyurethane Adhesive



PRODUCT

ACW30D is one-component moisture curable polyurethane sealant. It has excellent bonding and sealing performance. No corrosion and pollution to substrates, environment friendly, no bubbles during application, smooth and fine appearance etc. ACW30D is manufactured in accordance with the ISO/TS16949:2009

THIS PRODUCT CONTAINS

Isocyanate, Methylenediphenyl,
Avoid contact with skin and eyes.
Use in well ventilated area.
Wear suitable gloves and eye protection.

PRODUCT FEATURES

- 3 hour safe drive away time
- Excellent thixotropy, no sagging, high viscosity.
- Environment friendly, solvent-free.
- High viscosity

APPLICATION

Suitable for windshield and side & back window glass bonding.
Clean all surfaces of foreign matter and contaminants such as oil, dust, grease and old sealants.
Minimum application temperature : 5°C
Must be used with Activator & Primer

ADVANTAGES:

One-component formulation, excellent smooth appearance.
High adhesion strength, modest hardness after curing.
Durable and excellent extrudability
No sagging, no corrosion to base material and no pollution to the environment.
Excellent sealing and adhesion performance, excellent water and aging resistance.
No activator and/or primer required

USE:

Suitable for the installation of automotive windscreens, rearlites and side glass

PACKING SPECIFICATION

- 310ml Cartridge
- 400ml Sausage
- 600ml Sausage

CAUTION

In case of contact with eyes or skin rinse with water immediately and seek medical advice.

ACW30D PRODUCT INFORMATION

ACW30D TECHNICAL DATA

Testing Item	Performance
Chemical base	1-Component Polyurethane
Appearance	Black Homogeneous paste
Density (g/cm ³)	1.20±0.05
Sagging properties (mm)	0
Shore A-hardness (A°)	70±3
Tensile strength (Mpa)	≥8.0
Elongation at break (%)	≥400
Volatile content (%)	≤3
Tensile-shear strength (Mpa)	10~30
Touch Dry time (min)	3~5
Curing Speed (mm/d)	≥60
Pollution properties	Non
Application Temperature (°C)	+5~+35
Shelf Life (month)	≥9

ACW COMPARING TO SIKA TECHNICAL DATA

Testing Item	Performance
Chemical base	1-component polyurethane
Appearance (CQP001-1)	Black
Density (g/cm ³)	1.20±0.05
Sagging properties (mm)	0
Shore A-hardness (A°)	70±3
Tensile strength (Mpa)	≥8.0
Elongation at break (%)	300
Skin time	20 minutes
Tensile-shear strength (Mpa)	6
Open time (min)	15
Curing Speed (mm/d)	≥60
Application Temperature (°C)	5~40
Shelf Life (month)	12

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ACW30D PRODUCTS

ACW30D POLYURETHANE ADHESIVES



Item Number	Description	Department
1 ACW310	ACW ADHESIVE 310ML (20 UNITS/BOX)	ADHESIVES
2 ACW400	ACW ADHESIVE 400ML (20 UNITS/BOX)	ADHESIVES
3 ACW600	ACW ADHESIVE 600ML (20 UNITS/BOX)	ADHESIVES

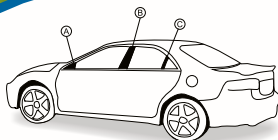
OTHER PRODUCTS



Item Number	Description	Department
4 ACWRES	ACW CHIP REPAIR RESIN 10ML BOTTLE	ADHESIVES
5 ACW1001	ACW1001 AUTOMOTIVE ACTIVATOR 250ML (20 UNITS/BOX)	ADHESIVES
6 ACW1002	ACW1002 AUTOMOTIVE PRIMER 250ML (20 UNITS/BOX)	ADHESIVES
7 APP20	PRIMER APPLICATOR BRUSH 20PCS	ADHESIVES

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PRODUCT INTRODUCTION



ACW POLYURETHANE ADHESIVE

Windscreen Distributors started importing and distributing **ACW Polyurethane Adhesive** products in the last **20 years**. **ACW Polyurethane Adhesive** products are used mainly in the automotive sector. It is used to bond the windscreen and the vehicle aperture.

Most fitment companies use the product and because of the quality and quicker drive away time. ACW Polyurethane Adhesive can be used with a ACW Primer or Activator for best results.



SCAN HERE

for further information, scan or visit our website

ACW30 TESTING & CERTIFICATION

PRODUCT TESTING & CERTIFICATION



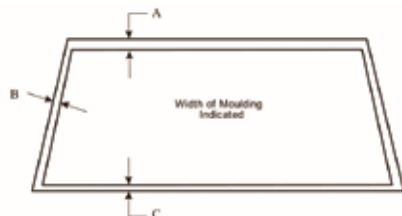
HEAD-ON CRASH TEST PERFORMED AT 49,23KM/H IMPACT SPEED

ACW Polyurethane Adhesive is manufactured in accordance with the ISO/TS 16949 standard.

ACW Polyurethane Adhesive has passed FMVSS212 (Federal Motor Vehicle Safety Standard – based in the U.S.A). This is a Frontal Barrier Crash Test and is certified in accordance to OEM Quality.

The Head-On crash tests based on FMVSS212/208 is performed at 48 km/h impact speed.

ACW Polyurethane Adhesive is Manufactured for front & rear back windscreens) and side glasses. **ACW Polyurethane Adhesive** is a one component high quality polyurethane that cures by reaction with atmospheric moisture to form a durable and weather resistant elastomer.



Front view of windshield			
Details of windshield mounting such as retention method, film type, etc.:			
Trim Type:	Plastic		
Mounting Method:	Adhesive, windshield installed at 12:21 pm, 3 hour cure time		
FMVSS 212 requirements:			
The post-test periphery retention amount must be at least 75% of the pre-test periphery measurement for vehicles NOT equipped with automatic restraints, and 50% for each side of windshield for vehicles equipped with automatic restraint systems for front occupants.			
Windshield periphery measurements:			
	Pre-test	Post-test	Percent retention
Right side (mm)	2035	2035	100.0
Left side (mm)	2035	2035	100.0
Total (mm)	4070	4070	100.0
Loss of windshield retention lengths:			
A (mm)	B (mm)	C (mm)	Total (mm)
0	0	0	0
Pre-test windshield mounting material temperature:			22.8°C 73.1°F

SCAN HERE

for further information
scan or visit our website.



ACW30E POLYURETHANE ADHESIVE



PRODUCT

ACW30E is one-component moisture curable polyurethane sealant, which has the characteristics of low temperature fast fixation, high initial adhesion, good cohesion and sealing performance. No corrosion and pollution to substrates, environment friendly, no bubbles during application, smooth and fine appearance etc.

THIS PRODUCT CONTAINS

Isocyanate, Methylendiphenyl,
Avoid contact with skin and eyes.
Use in well ventilated area.

Wear suitable gloves and eye protection.

PRODUCT FEATURES

- High initial bond strength, high modulus, fast positioning at 1h
- Low temperature fast fixation
- Primer-free construction is available on the paint panel

APPLICATION

ACW30E is suitable for bonding between the windscreens of high-end cars and buses and the main body.

DIRECTIONS OF USE:

- Remove dust, oil and water from the surface of substrates
- Application environment temperature 5~35°C, humidity 50~70%RH. When the temperature below 5°C, recommended place products in the environment of 30~40°C for 1H (No more than 3H).
- Activator 1001 are required.

ACW30E TECHNICAL DATA

TECHNICAL DATA

Items:	Test Std	Requirement	Typical value
Appearance	/	Black,homogeneous paste	/
Density	GB/T 13477.2	1.2±0.1	1.25
Extrudability(ml/min)	GB/T 13477.4	≥40	40
Sagging properties (mm)	GB/T 13477.6	≤0.5	0
Tack free time (min)	GB/T 13477.5	10~20	15
Curing speed (mm/d)	HG/T 4363	≥3.0	4.0
Non-volatile contents (%)	GB/T 2793	≥98	99
Shore A-hardness	GB/T 531.1	55~60	58
Tensile strength(MPa)	GB/T 528	≥7.0	8.0
Elongation at break(%)	GB/T 528	≥300	400
Tear strength (N/mm)	GB/T 529	≥10.0	12
Tensile-shear strength(MPa)	GB/T 7124	≥4.0	4.0
Operating temperature(°C)	/	-40~90	

Notes: All data above were tested under standardized condition at 23±2°C, 50±5%RH

ACW30E PRODUCT INFORMATION

PACKING SPECIFICATION

- 310ml Cartridge
- 400ml Sausage
- 600ml Sausage

TRANSPORTATION AND STORAGE

- Transport: Keep away the sealed product from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep sealed into cool, dry place.
Temperature: 5~25°C. Humidity: ≤50%RH.
- Shelf life: 6 month.

DISCLAIMER

All recommendations concerning our products, including transportation, storage, and handling are based on our current knowledge and experience under normal conditions. In practical application, results may differ because of materials and actual site conditions change, our company do any guarantee and bear any legal responsibility. In order to ensure the bonding effect and the compatibility of products and materials, it is recommended to do the compatibility test or consult our company's Technical Services before proceeding with the full application.

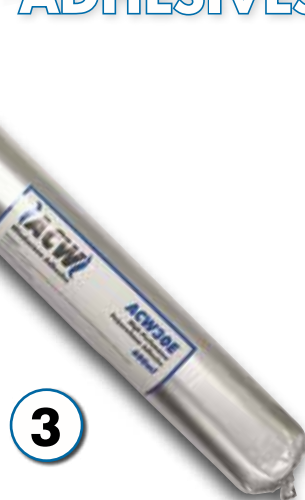


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ACW30E PRODUCTS

ACW30E POLYURETHANE ADHESIVES

1
HOUR
DRYING
TIME



Item Number	Description	Department
1 ACW310E	ACW30E ADHESIVE 310ML 1 HOUR (20 UNITS/BOX)	ADHESIVES
2 ACW400E	ACW30E ADHESIVE 400ML 1 HOUR (20 UNITS/BOX)	ADHESIVES
3 ACW600E	ACW30E ADHESIVE 600ML 1 HOUR (20 UNITS/BOX)	ADHESIVES

OTHER PRODUCTS

1



2



**ADHESIVE
GUNS**

Part No.	Description	Department
1 GUN400	POLYURETHANE GUN 400ML(310ML FITS)	TOOLS
2 GUN600	POLYURETHANE GUN 600ML	TOOLS

THE
ORIGINAL
Revolutionary
System

TIME
SAVING
Up To
80%

INTELLIGENT SOLUTIONS FOR EFFICIENT SERVICING TechPRO® ADAS (Advanced Driver Assistance Systems)

Features:

- + Patented TARGETLESS technology
- + Integrated communication with NEXUS 3.0 BUS system via WiFi
- + Motorized target height adjustment
- + Adaptive system for automatic compensation of vehicle positioning
- + Measurement via high precision laser distance meters
- + Ultralight radar calibration panel

Technical information:

- + Dimensions: 2700 x 1500 x 1800 mm
- + Weighs 75 kg
- + 65" full HD monitor
- + Integrated control PC, Windows 10

MAHLE
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Now Available
in South Africa
call us for quick
& easy calibration
contact:

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065 638 1895
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When its time for maintenance

The ADAS system must be calibrated whenever a vehicle undergoes maintenance such as:

- Windscreen Replacement
- Camera / Radar Repairs
- Collision or Minor damages when parking
- Vehicle Chassis Repairs (Bumper)
- Vehicle leveling
- Tire Changes

Our Solution

This tool allows workshop to adjust & calibrate driver assistance systems quickly and easily - using just one digital calibration panel. This saves time and money. The tool is contentiously updated online & expanded to cover more vehicles.

6 EASY STEPS Calibration easily done!!!

1 IN CONNEX, SELECT MAKER - CAR MODEL. THEN SELECT "DIGITAL ADAS". THE ON-LINE HELP POPS UP, WITH INSTRUCTIONS ON HOW THE CAR SHOULD BE POSITIONED

2 PLACE THE WHEEL CLAMPS ON THE FRONT WHEELS, AS INDICATED IN THE ON-LINE HELP INSTRUCTIONS.

3 PLACE THE DIGITAL TARGET CLOSE TO THE CAR. THE SPECIAL SUPPORT FRAME MAKES HANDLING EXTREMELY EASY.

4 ENTER THE REQUIRED VALUES, USING THE TWO LASER DISTANCE METERS. THESE ARE THE PARAMETERS REQUIRED TO EXECUTE THE KEYSTONE FUNCTION.

5 ADJUST THE HEIGHT AS INDICATED IN THE ON-LINE HELP INSTRUCTIONS. IT IS VERY SIMPLE AND EASY VIA THE REMOTE CONTROL AND THE MOTORIZED SLIDING CARRIAGE.

6 THE CALIBRATION STARTS. THE MONITOR WILL SHOW THE TARGET, ADAPTING IT TO THE CAR POSITION AND THEREFORE ENSURING THE MOST ACCURATE RESULT.

For a quick & easy calibration contact **ADAS.SA** on ☎ **079 873 5433** ☎ **065 638 1895** ☎ **011 425 5178**

Connex Digital ADAS the revolutionary system made in Brain Bee, is super simple & easy, making maintenance of ADAS Systems Accessible to all workshops.

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