

PROTON X50



Variant
STANDARD

Year Built
2020

Model Year
2020

Vehicle Category
SUV

Engine Capacity
1.5 L

Kerb Mass
1325 kg

No. of Airbags
4

Test Lab
PC3
MOTOS
TOWARDS SAFER VEHICLES

TESTED VARIANT ORIGIN

MALAYSIA

FOR

MALAYSIA

OTHER ASEAN
PRODUCTION
(ALL VARIANTS)

MALAYSIA

FOR

MALAYSIA, THAILAND

**ADULT OCCUPANT
PROTECTION**



FRONTAL IMPACT

13.42

SIDE IMPACT

16.00

**HEAD PROTECTION
TECHNOLOGY**
2.00

TOTAL

31.42

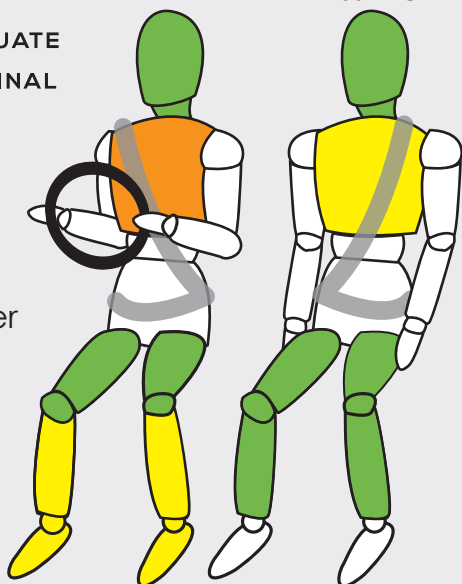
FRONTAL IMPACT

GOOD
ADEQUATE
MARGINAL
WEAK
POOR

DRIVER

PASSENGER

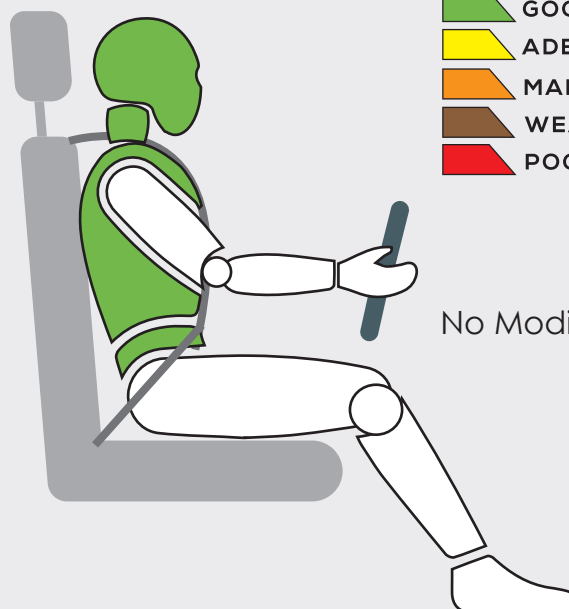
No Modifier



SIDE IMPACT

GOOD
ADEQUATE
MARGINAL
WEAK
POOR

No Modifier



The vehicle's occupant compartment remained stable during the frontal offset test. The data obtained from the test showed both occupants sustained injuries to the chest in addition to the risk to the driver's lower legs.

The performance of HPT was confirmed with additional deployment test and its score was determined based on Fitment Rating System (FRS).

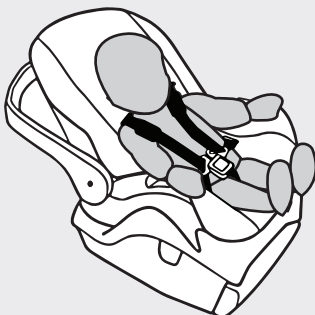
SAFETY ITEMS (PASSIVE)

ITEMS		COUNTRIES									
											
Airbags	Driver	NS	NS	NS	NS	S	NS	NS	NS	S	NS
	Passenger	NS	NS	NS	NS	S	NS	NS	NS	S	NS
	Side (2)	NS	NS	NS	NS	S	NS	NS	NS	S	NS
	Curtain (2)	NS	NS	NS	NS	O	NS	NS	NS	O	NS
	Knee	NS	NS	NS	NS	X	NS	NS	NS	X	NS
Seatbelts	Retractor Pre-tensioner & Load Limiter for Driver	NS	NS	NS	NS	S	NS	NS	NS	S	NS
	Retractor Pre-tensioner & Load Limiter for Passenger	NS	NS	NS	NS	S	NS	NS	NS	S	NS

S : Standard on all variants, O : Optional on base; Standard on higher variants, X : Not available, TBA : To be advised, NS : Not sold

CHILD OCCUPANT PROTECTION	DYNAMIC TEST	VEHICLE BASED	INSTALLATION	TOTAL
	24.00	8.00	9.50	41.50



DYNAMIC TEST ASSESSMENT	
18-MONTH-OLD CHILD	3-YEAR-OLD CHILD
Restraint : Britax Baby Safe Plus Facing : Rearward Facing Installation : ISOFIX & Supportleg	Restraint : Joie Stages ISOFIX Facing : Rearward Facing Installation : ISOFIX & Supportleg
	
Frontal Impact : 8.00 Side Impact : 4.00 Total Performance : 12.00	Frontal Impact : 8.00 Side Impact : 4.00 Total Performance : 12.00

CRS INSTALLATION ASSESSMENT

CRS	DIRECTION	SEAT POSITION						
		FRONT	2ND ROW			3RD ROW		
		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT
Maxi Cosi Cabriofix	Rwd	EXEMPT	PASS	PASS	PASS	N/A	N/A	N/A
Combi Malgot	Rwd	EXEMPT	FAIL	FAIL	FAIL	N/A	N/A	N/A
Combi Malgot	Fwd	PASS	PASS	PASS	PASS	N/A	N/A	N/A
Combi Buon Junior Air	Fwd	PASS	FAIL	FAIL	FAIL	N/A	N/A	N/A
Britax Baby Safe Plus ISOFIX Base	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Maxi Cosi Milofix	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Maxi Cosi Milofix	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax Duo Plus	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax KidFix XP	Fwd	PASS	PASS	FAIL	FAIL	N/A	N/A	N/A
Britax Baby Safe Plus ISOFIX Base*	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Joie Stages ISOFIX*	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A

PASS : Install without problem, FAIL : Safety critical problem, EXEMPT : Installation not allowed, N/A : Not available

*Manufacturer's selection

SAFETY ASSIST	EFFECTIVE BRAKING & AVOIDANCE 8.00	SEATBELT REMINDERS 3.00	BLIND SPOT TECHNOLOGY 1.00	ADVANCED SATs 2.00	TOTAL 14.00
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COUNTRIES										
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Effective Braking & Avoidance

ABS	NS	NS	NS	NS	O	NS	NS	NS	O	NS
ESC	NS	NS	NS	NS	O	NS	NS	NS	O	NS

Seatbelt Reminders

Driver	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Front Passengers	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Rear Passengers	NS	NS	NS	NS	X	NS	NS	NS	X	NS

Blind Spot Technology

Nearside	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Offside	NS	NS	NS	NS	O	NS	NS	NS	O	NS

Advanced Safety Assist Technologies

AEB City	NS	NS	NS	NS	O	NS	NS	NS	O	NS
AEB Inter-Urban	NS	NS	NS	NS	O	NS	NS	NS	O	NS
AEB VRU	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Lane Departure Warning System	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Forward Collision Warning System	NS	NS	NS	NS	O	NS	NS	NS	O	NS
Lane Keep Assist	NS	NS	NS	NS	O	NS	NS	NS	O	NS

O : Available, X : Not available, TBA : To be advised, NS : Not sold

OVERALL RATING

The new Proton X50 is Proton's seventh model that had underwent ASEAN NCAP assessment. The five-seater SUV is equipped with four airbags, ESC and SBR for frontal occupants as standard across all variants. The X50 is offered in Malaysia and Thailand in which safety assist technologies namely BST, AEB City, AEB Inter-Urban, AEB VRU/Pedestrian, Lane Departure Warning System, Forward Collision Warning System and Lane Keep Assist are all available either as standard or optional equipment. It is also fitted with ISOFIX and top tether fitment for child occupant safety in all its variants. In the assessment, the Proton X50 successfully obtained an overall score of 84.26 points, which makes it eligible for 5-Star ASEAN NCAP rating.

	AOP			COP			SAFETY ASSIST			2017 - 2020 ASEAN NCAP RATING
	Item	Point	Max	Item	Point	Max	Item	Point	Max	
	ODB	13.42	16.00	FRONTAL	16.00	16.00	EBA	8.00	8.00	5
	SIDE	16.00	16.00	SIDE	8.00	8.00	SBR	3.00	6.00	
	HPT Evaluation	2.00	4.00	Installation	9.50	12.00	BST	1.00	2.00	
				Vehicle Based	8.00	13.00	Advanced SATs	2.00	2.00	
Score		31.42	36.00		41.50	49.00		14.00	18.00	OVERALL SCORE
Normalized Score		0.87			0.85			0.78		
Weighting		50%			25%			25%		
Weighted Score		43.64			21.17			19.44		
Maximum Star Rating		5			5			5		5

BLIND SPOT TECHNOLOGY ASSESSMENT



ASEAN NCAP has introduced Blind Spot Technology (BST) in its new 2017-2020 protocol. In the protocol, ASEAN NCAP assessed the functionality of each BST introduced in the vehicle. The BST is available in the new Proton X50 model either as standard or optional equipment in the Malaysia and Thailand markets. In this assessment, ASEAN NCAP confirms that the technology has functioned according to ASEAN NCAP requirements on both the left and right side area of the vehicle.

