



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

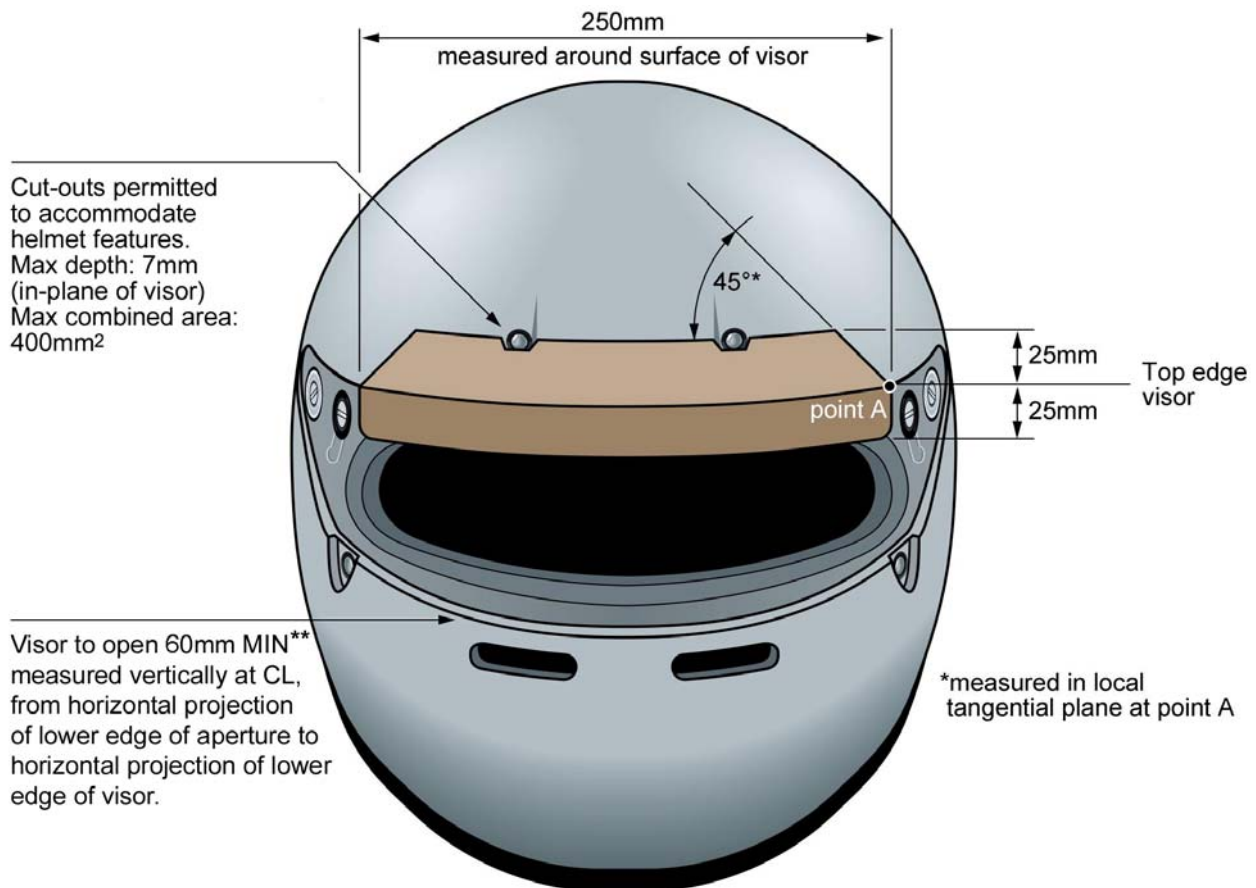
FIA SPECIFICATION 2011 F1 VISOR REINFORCEMENT PANEL FOR FIA 8860 HELMET

1. SCOPE

The visor shall be fitted with a reinforcement panel in accordance with this specification. The original visor, before the reinforcement panel is fitted, shall be certified with the helmet to FIA 8860-2004/2010 and the relevant standard in FIA Technical List N° 25,

2. Minimum Area of Coverage

The minimum area of coverage is defined in Figure 1.



** Exceptionally the FIA may accept an opening of 40mm MIN for certain Championships

Figure 1. Minimum area of coverage



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3. Minimum X-Section

The minimum x-section is provided in Figure 2.

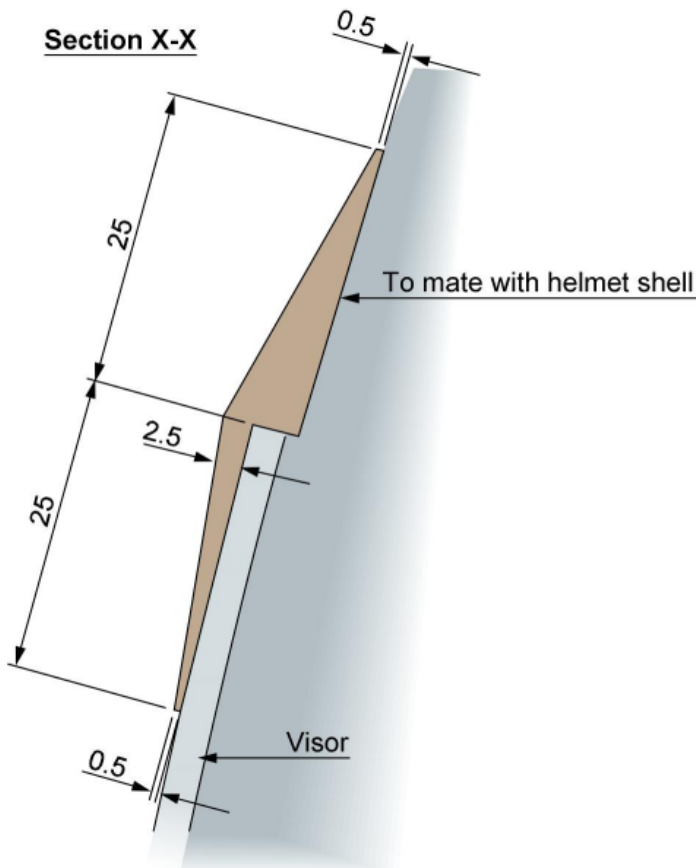


Figure 2. Minimum x-section

4. Construction

The reinforcement panel shall be constructed from Zylon (PBO) fibres, impregnated with a toughened epoxy resin system. The nominal cloth weight should be 300gsm. A compliant material would be ACG MTM49-3 ZF0100 (295gsm 2x2 Twill Zylon HM). The panel may include a single external ply of carbon fibre, impregnated with a toughened epoxy resin system, not exceeding 300gsm. If different resins are used for the carbon and Zylon plies, they must be co-curable. Carbon fibre, to the same specification, may also be used for any part of the reinforcement panel outside of the minimum area of coverage defined in Figure 1.

The construction of the panel shall be quasi isotropic filling a closed mould tool and shall avoid darts, joins or gaps in any ply, apart from those required to cover cut-outs for ventilation holes as shown in Figure 1. The panel shall be essentially void free.

The panel must be cured to the manufacturer's recommended cure cycle.

4. Attachment to Visor

The panel will be bonded to the visor over the entire surface area with an adhesive film or paste. The choice of adhesive may allow for the panel to be removed for servicing.