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ASSESSMENT PROGRAMME

Technical Bulletin

Windscreen Replacement For Pedestrian Testing

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TB 008

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Background

During Euro NCAP pedestrian testing, it is generally necessary for the windscreen to be replaced numerous times during the process. Unfortunately, it is not always possible to have a dedicated vehicle for pedestrian testing. In order to facilitate the testing schedule of both pedestrian impacts and the subsequent side or pole impacts, the Euro NCAP laboratories must be able to have vehicle ready for further tests within a matter of hours. This Technical bulletin clarifies the procedure that should be followed by Euro NCAP's certified laboratories to repair the windscreen of a test vehicle.

Procedure

Under normal circumstances, the Euro NCAP laboratories will use a generic, quick curing windscreen bonding when replacing the broken screen. A generic, commercially available windscreen bonding, as used by Windscreen replacement companies and body shops, can be used. A list of OEM approved bonding compounds is available from insurance bodies. Alternatively, the vehicle manufacturer may provide its own 'quick curing' compound for use, as long as it is commonly available in EU-27. In both cases, the windscreen bonding used and the allowed curing time must be identified in the test report.

If the vehicle manufacturer can demonstrate that the use of a particular bonding compound will affect the results of pedestrian tests then the manufacturer should provide this information to the Secretariat and Test Laboratory well in advance of testing. The decision over the compound to be used will rest with the Secretariat.

In the event that long curing times are required, it may be necessary to extend the length of time allocated for pedestrian tests. Any additional costs, including postponement of a side or pole impact test due to curing times, will be borne in full by the vehicle manufacturer.

The following list details OEM approved bonding compounds that can be used, but other equivalent compounds may also be used. Euro NCAP does not endorse these, or any other such products, in any way.

- SikaTack Drive (New Formulation) including quick dry booster
- Teroson Terostat 9000 PL HMLC
- Teroson Terostat 8596
- Teroson Terostat 8597 HMLC
- Teroson Terostat 8599 HMLC
- Teroson Terostat 8630 2K HMLC
- 3M 08603/08616 PU Windscreen Adhesive
- Betaseal 1702
- Betaseal X1502

This procedure will be applicable with immediate effect.