

# OWV OPTIMAL PWF – information card No. 0719 perforated self-adhesive film for windows

## INTEGRAL DECORATION OF BUSES

### **Integral decoration**

The term integral decoration refers to the application of adhesive film, as well as to the metal walls of the bodywork, also to the rear side windows and to the rear window of the vehicles.

### **Self-adhesive film to be applied to vehicle windows**

Self-adhesive film to be applied to the windows must be perforated to enable the passengers within the vehicle to see perfectly well outside.

### **Competent body**

The matter is the responsibility of the Ministry of Land Transport and of Information and Statistics Systems – The Directorate General of the Department of Motor Vehicles and Safety of Land transport.

### **Safety windows**

The 1680/M360 protocol, in addendum 2, specifies that the glass on which the film is installed must be of the officially approved type and must have the same thickness that was specified on type-approval of the film. This is confirmed by the fact that the safety windows mounted in Italy for each type of vehicle have the same structural features of those installed in the other EEC countries that have implemented EEC regulations such as Germany, Austria, Belgium, Holland, etc.; in particular, Italy, by decree of Minister Lunardi of 26 February 2001 published in the Official Journal n.62 of 16 March 2002, carried out the European Union directive n. 2001/92/EEC.

### **Minister Lunardi's decree**

“Transposition of the 2001/92/EEC directive of the commission of 30 October 2001, that adapts to the technical progress of the 92/22/EEC directive of the Council, relating to safety windows and safety window materials on motor vehicles and their trailers and the directive 70/156/EEC of the Council relating to the type-approval of motor vehicles and their towing devices”.



**Limits to application**

OPTIMAL perforated adhesive film may be applied to the rear side windows and rear windows of the vehicle, provided the vehicle is equipped with external rear-view mirrors on both sides. Perforated film is not allowed on the wind-shield and front side panes.

**Additional limits for safety windows with additional safety exit function**

OPTIMAL perforated films can also be applied to safety windows that have the additional function of being safety exits. These windows are easily identifiable by an indelible inscription on the glass, and a hammer with a special tip to facilitate the crushing of the glass itself is installed on the strut next to the window.

Application of perforated film on windows that also function as safety exits requires compliance with the following additional limitations:

- film may not be mounted inside the vehicle as it would cover the warnings stamped on the window predisposed as the safety exit.
- moreover, laminating the perforated film placed on the safety windows with protective or anti-graffiti film is strictly forbidden: this could alter the "Brittle point" of the type-approved film and consequently alter the frangibility of the safety glass and its resistance and the way it shatters on breakage.

**Approval**

Protocol n.1680/M360 of 8 May 2002 of the Directorate General of the Department of Motor Vehicles and Safety of Land transport, confirms that in Italy "Film applied to the rear side windows and on the rear window of vehicles type-approved by other member states of the European Community is accepted, as long as the EU regulations on visibility areas are respected" Guandong Italia Ltd. has obtained approval for its perforated film OPTIMAL OWV - one way vision with the type-approval document issued by the body TUV-SUD Czech n. SD 036/17. (see attachment) Please note that the official approval number of the perforated OPTIMAL Guandong 3 647 must be stamped on each sheet that makes up the window covering; the approval number with the correct wording will be officially provided by Guandong Italia at the request of the installer inscriber and will be matched to the number of the delivery document of the goods.





## Memorandum of the Directorate General of the Department of Motor vehicles and Safety of Land Transport (current regulations)

Protocol n. 1680/M360

Subject: Applying adhesive film to vehicle windows.

Requests for clarification have been put forward by the Provincial Offices of the Motor Vehicle Department regarding the application, on vehicles already in circulation, of adhesive film on the windows of the vehicles. In this regard, the following is noted.

The subject is not governed by international rules nor EU rules providing for the approval of these films as independent technical entities, nor have any specific international or EU regulations arisen during research into the matter.

However, within the European Economic Area, some countries have adopted national rules governing the approval of these films and their installation on vehicle windows. The Italian state, on the other hand, has decided not to adopt national rules, deferring regulation of the matter to the eventual enactment of EU regulations. There is no doubt, however, that according to the principle of the free movement of goods, set forth in art. 28-30 of the EU treaty, it is not possible to ban the marketing of a product approved in another Member State and therefore free to circulate within its territory.

Consequently, in the case in hand, film may not be applied to side and rear windows and rear wind shields of vehicles belonging to Member states of the European Community or to Member states of the European economic zone considering fulfilment of regulations on field of vision areas.

Consequently, should the above-mentioned film be detected at the time of inspection and road worthiness test, the following shall be verified:

- 1-that the film manufacturer's identification is affixed to the film itself;
- 2-that the above-mentioned film was approved for the glass on which it was applied. For this purpose, a certificate of approval, issued abroad, must be presented, showing that the film applied has been approved for the specific type of glass on which it has been applied. The installer shall have to certify that the glass, obviously of the approved type, has the thickness required and stated at the time of its approval.

In accordance with provisions of directives 92/22/EC (safety glass), 71/127/EEC (rear-view mirrors) and 77/649/CEE (front field of vision), it is not possible to apply the film onto the wind-shield or the front side windows; moreover, application on the rear window is only allowed on condition that the vehicle is equipped with external rear-view mirrors on both sides. It is hardly necessary to point out that the approval of adhesive film on the windows of vehicles does not entail updating of the registration certificate in accordance with art. 78 of the Highway Code.

The Director-General

8 May 2002





## DECISION

### ON THE TYPE APPROVAL OF A VEHICLE CONSTRUCTION COMPONENT OR VEHICLE EQUIPMENT NO. 3 647

**Type:** ADHESIVE GRAPHIC FILMS  
EMERGENCY EXIT ADHESIVE GRAPHIC FILMS

**Manufacturer:** Guandong Italia srl  
S.S.415 Paullese Km. 10  
20090 Milan, ITALY

**Factory Brand:** OPTIMAL PWF ONE WAY VISIONN  
**Type (type series):** OPTIMAL PWF LONG LIFE

**Trade name:**  
**For vehicles:** M,N

Pursuant to Section 19 of Act no. 56/2001, on the conditions for the operation of a vehicle on public roads and on amendments to Act No. 168/1999, on motor third party insurance and on amendments to certain related acts (Motor Liability Insurance Act), as amended by Act No. 307/1999, and implementing regulations on the approval of roadworthiness and technical conditions for the operation of vehicles, the Ministry of Transport hereby.

#### **approves**

the technical eligibility of a vehicle construction component or vehicle equipment for operation on a road under the conditions laid down in the above legislation and other conditions specified herein. At the same time as this decision, a certificate of type approval of the technical capability of a vehicle component or vehicle equipment is issued on the same day under the same reference number. Certificates and attachments are not transferable.

The holder of this Decision shall, for each manufactured or imported component of the vehicle or equipment conforming to the approved type, affix to the sales documentation a conformation of the conformity of the product with the approved type, specifying the component type or equipment type-approval certificate number, and affixing the approval mark, unless otherwise provided for herein. A type-approval certificate of a type of vehicle or equipment type of component shall be valid for each component manufactured or imported or equipment of the same type, which has not undergone a structural change and which has been manufactured or imported during its period of validity.

Upon completion of the manufacture or import of a vehicle component or item of vehicle equipment, the holder of this decision shall promptly return a certificate of approval of the type of vehicle component or vehicle equipment and its annexes to the Ministry of Transport.

**Additional approval terms:** Approval Documentation TÜV SOD Czech s.r.o. SD No. 036/17.  
Advertising printing must not be confused with special vehicle markings and persons in accordance with Act No. 361/2000.  
The Holder is obliged to observe the conditions specified in the Annex attached hereto.

Annex: Certificate for type approval of a vehicle construction component or vehicle equipment no. 3 647

In Prague, 15.01.2018

Ivan Novák

Director - Road Vehicles Operations Department

N.B. The certificate in the original language  
with the relative annexes is available.

