

Council directive 92/23/EEC of 31 March 1992 relating to tyres for motor vehicles and their trailers and to their fitting (repealed)

[^{F1}ANNEX VI

SPECIFICATIONS FOR THE TEST SITE

Textual Amendments

- F1** Inserted by [Directive 2001/43/EC of the European Parliament and of the Council of 27 June 2001 amending Council Directive 92/23/EEC relating to tyres for motor vehicles and their trailers and to their fitting.](#)

2. Required characteristics of the surface

A surface is considered to conform to this standard provided that the texture and voids content or sound absorption coefficient have been measured and found to fulfil all the requirements of sections 2.1. to 2.4. below and provided that the design requirements (section 3.2.) have been met.

2.1. Residual voids content

The residual voids content (VC) of the test track paving mixture shall not exceed 8 %. For the measurement procedure, see section 4.1.

2.2. Sound absorption coefficient

If the surface fails to comply with the residual voids content requirement, the surface is acceptable only if its sound absorption coefficient $\alpha \leq 0,10$. For the measurement procedure, see section 4.2. The requirement of sections 2.1. and 2.2. is also met if only sound absorption has been measured and found to be $\alpha \leq 0.10$.

Note:

The most relevant characteristic is the sound absorption, although the residual voids content is more familiar among road constructors. However, sound absorption needs to be measured only if the surface fails to comply with the voids requirement. This is justified because the residual voids content has relatively large uncertainties in terms of both measurements and relevance and some surfaces may therefore erroneously be rejected when based only on the voids measurement.

2.3. Texture depth

The texture depth (TD) measured according to the volumetric method (see section 4.3. below) shall be:

$$TD \geq 0,4 \text{ mm}$$

2.4. Homogeneity of the surface

Every practical effort shall be taken to ensure that the surface is made to be as homogeneous as possible within the test area. This includes the texture and voids content, but it should also be observed that if the rolling process results in more effective rolling at some places than others, the texture may be different and unevenness causing bumps may also occur.

2.5. Period of testing

In order to check whether the surface continues to conform to the texture and voids content or sound absorption requirements stipulated in this Annex, periodic testing of the surface shall be carried out at the following intervals:

- (a) For residual voids content (VC) or sound absorption (α):
 - when the surface is new;
 - if the surface meets the requirements when new, no further periodical testing is required. If it does not meet the requirement when it is new, it may do so later because surfaces tend to become clogged and compacted with time.

- (b) For texture depth (TD):
 - when the surface is new;
 - when the noise testing starts (*NB*: not before four weeks after laying);
 - then every twelve months.]