



CO-ORDINATION OF NOTIFIED BODIES
PPE-Directive 89/686/EEC + amendments

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Language: E

RECOMMENDATION FOR USE

Number of pages: 1	Date: 16/03/07	Approval by :	Approved on :
Origin: INESCOP		<input checked="" type="checkbox"/> Vertical Group	16/03/07
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		<input type="checkbox"/> Standing Committee	
Question related to: Directive 89/686/EEC	Annex:	Article:	EN/prEN: 20344 / 344 / 12568 Other: _____
Clause: _____			
Key words: Penetration resistance			
Question: <ul style="list-style-type: none">▪ The standard EN 12568 states that the force is recorded when it just stops increasing.▪ The standard EN 344-1 states that the maximum force required for the nail point to completely penetrate is measured.▪ The standard EN ISO 20344 follows the same criterion as EN 344-1.▪ The standard EN ISO 20345 refers, in the case of non-metallic inserts, to EN 12568, 4.3. This section relates to the chemical treatments after which the penetration resistance test should be carried out according to EN 12568.			
Question 1-a: In the case of a compact penetration resistant insert, this difference in criteria would not be a problem. However, we have examined footwear with a penetration resistant insert made of highly resistant laminated fabric and upon the execution of the test several peaks of growing force were observed which correspond to the penetration of each of the layers comprising the insert. According to the interpretation of the standards EN 12568, EN 344-1 and EN ISO 20345, the value to be considered in these cases would not be clear enough.			
Solution: clarification shall be included in the standard as soon as possible. In order to have the same assessment in all the laboratories, improvements shall be applied. As described in EN ISO 20345, 20346 and 20347, this procedure is applicable for all anti-perforation system : <ul style="list-style-type: none">• Whole sole unit fitted with metallic or non metallic• Non metallic insert:			
To clarify the situation, the test method shall be performed as follow. For the complete footwear, the insock shall be removed. The force should be applied to a limit of 1100N. The nail shall not protrude more than 3mm beyond the test pieces.			
Remarks : <ul style="list-style-type: none">• if require a force higher than 1100 N can be applied• Unless there is new evidence, the old certificates remain valid.			
Sent to: <input checked="" type="checkbox"/> members of the VG <input type="checkbox"/> other(s) VG <input checked="" type="checkbox"/> HC (2) <input checked="" type="checkbox"/> TC (3) <input type="checkbox"/> SC (4) <input type="checkbox"/> other (5)			

(1) Essential safety requirement
(2) HC = horizontal committee

(3) N° of CEN/TC (Secretary & Chairman)
(4) EEC Standing Committee 89/392

(5) To be specified