

**DECISION SHEET**

<b>Standard:</b> IEC60745-1: 1 <sup>st</sup> , 1982 IEC60745-2-12: 1 <sup>st</sup> , 1982	<b>Sub-clause: 8.6</b>	<b>Sheet n. 155</b> <b>Page 1(1)</b>
<b>Subject: Concrete Vibrators</b>	<b>Key words:</b>	<b>Decision n. taken at 23<sup>rd</sup> meeting/1986</b>
<p><b>Question:</b> The circuits supplying motors and other components inside parts which, in normal use, are either immersed in the mixture to be vibrated or held in the hand or operated by hand, shall be adequately isolated from the supply mains.</p> <p>Compliance is checked by inspection.</p> <p>This requirement may be met by supplying the relevant components either from a safety isolating transformer or from an isolating transformer or motor-generator providing the same degree of isolation from the supply mains as a safety isolating transformer and having an rated output voltage not exceeding</p> <p>115 V at frequencies not exceeding 60 Hz          250 V at frequencies exceeding 60 Hz.</p> <p style="text-align: center;">-.-.-.-.-</p> <p>We would like to hear the opinion of the committee if a concrete vibrator class II, 250 V, 50 Hz without being supplied from an isolating transformer or motor-generator fulfills the requirements stated in clause 8.6.</p> <p><b>Decision:</b> <u>Mr. kraaij</u> then introduces document IECEE/CTL (CH) 004/1986 concerning IEC Publication 745-1 and 745-2-12, Concrete vibrators. The Austrian document IECEE/CTL (A-EXP) 02/89 is treated at the same time.</p> <p>After discussion the Committee expressed as its opinion that there are three possibilities for this type of equipment with regard to supply connection, namely:</p> <ol style="list-style-type: none"> <li>1. safety isolating transformer</li> <li>2. isolating transformer</li> <li>3. motor generator</li> </ol>		