

New Edition of ISO 2409: 2007 for Paints & Vanishes - Cross-Cut Test

The **ISO 2409 “Paints and Varnishes – Cross Cut Test”** was revised to the 3rd edition on May 15, 2007 to replace the 2nd edition, ISO 2409:1992. The British Standards Institution (BSI) adopted and renumbered it as BS EN ISO 2409:2007 / BS 3900-E6:2007.

This ISO standard is to provide a test method for assessing the resistance of paint coatings to separation from substrates when a right-angle lattice pattern is cut into the coating, penetrating through to the substrate. The property measured by this empirical test procedure depends, among other factors, on the adhesion of the coating to either the preceding coat or the substrate. However, this procedure is not to be regarded as a means of measuring adhesion. This test is suitable for coatings of total thickness up to 250 µm, it can be carried out on finished objects and/or on specially prepared test specimens.



Compared with the **ISO 2409:1992**, the major change in **ISO 2409:2007** lies on the requirements of the adhesive tape:

	ISO 2409:2007	ISO 2409:1992
Pressure-sensitive adhesive tape	<p>Unless otherwise agreed, adhesive tape with adhesive strength between 6 N per 25 mm width and 10 N per 25 mm width (determined in accordance with IEC 60454-2) shall be used. The tape shall be at least 50 mm wide.</p> <p>NOTE: Transparent tape is recommended.</p>	<p>Transparent pressure-sensitive adhesive tape, 25 mm wide, with an adhesion strength of (10 ± 1) N per 25 mm width when tested in accordance with IEC 454-2.</p>

In the US market, there is also a similar standard (but not technically equivalent) of cross-cut test for paints and vanishes which is the **ASTM D3359**. This ASTM method has been adopted since 1974. The latest edition was approved on February 1, 2008 and published in March 2008 to **ASTM D3359-08**.

As your key business partner, STR-HK offers Cross-Cut Test for Paint Coatings to ensure your products are good for marketing worldwide!

Specialized Technology Resources (H.K.) Ltd. has obtained HOKLAS accreditation on various toy safety standards. For details of our HOKLAS scope of accreditation, please visit: <http://www.itc.gov.hk/en/quality/hkas/doc/hoklas/036.pdf>

For enquires or other information on cross-cut test, toys and reliability testing, please contact STR at:

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