

**Purge Solvent Efficiency Test****Do Not Use on New Programs; No Replacement****1. SCOPE**

This test method evaluates the efficiency of a purge solvent to clean away paint materials such as primer, basecoat, clearcoat and mono-coats.

2. PANEL PREPARATION

Use a clear glass panel.

3. APPARATUS

3.1 Drawdown bar

3.2 Measuring device

3.3 Burette

3.4 Oven - fan forced convection

3.5 Holden standard solvent test solution

- 10% n-Butyl Acetate
- 30% Toluene or Xylene
- 60% Xylene or Holden Reclaimed Solvent.

4. METHOD

4.1 Apply 25-100 micrometres (wet film build) of paint material on glass panel using a drawdown bar. The dry film build will depend on the volume solids of the paint. The minimum area of the panel to be covered in paint is 100mm wide by 150mm long.

4.2 Flash the panel off at room temperature for 5 minutes and place the panel in a fixture at a 45 degree angle.

- 4.3 From a 25ml burette with the tip positioned 25mm above the glass panel, apply 10 drops of the proposed purge solvent (1 drop per second) onto the paint film in the same spot, which should be 50mm from the top of the panel and allow to run down the panel.
- 4.4 Repeat steps 4.1 to 4.3, however this time the purge solvent to be used should be the Holden standard solvent test solution.
- 4.5 Cure the two glass sample panels at the recommended bake schedule, photocopy panels for documentation and record the product codes and colour codes of all materials used in test.

5. EVALUATION

Observe the cleaning efficiency of the proposed purge solvent against the Holden standard solvent. The proposed purge solvent material must be equal to or better than the control.

6 Release and Revisions

This standard was originated in September 2000. It was first published in September 2000.

Issue	Publication Date	Description (Organization)
1	SEP 2000	Initial publication.
2	APR 2001	- Change name of test method. - Add section 3.5 to specify composition of Holden standard solvent test solution. - Add section 4.4 so that comparison is made between Holden standard solvent test solution and purge solvent under investigation.
3	FEB 2016	Limited for Current Use. (Materials)