SETTING-UP THE MARTINDALE TO PERFORM

EN ISO 26082-1 (IUP 53-1)

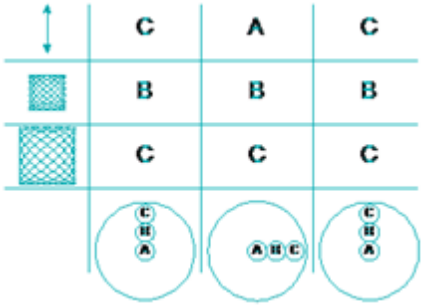
EN ISO 26082-1 is a test for *genuine* leather materials.

It is used to determine the soiling by rubbing using the Martindale apparatus.

This example is illustrated using the "Pilling Specimen Holder Heads".

The large Lissajous figure (60mm) is used as per abrasion testing.

Set the motion to abrasion by setting all three (3) of the Drive Pegs in position C.



Set the number of rubs on the Martindale Preset Counter to 250.

Place the 140mm diameter woven felt centrally on the abrading table

Place the 140mm diameter leather specimen centrally on top of the woven felt

Place the Pressing Weight centrally on top of the leather specimen

Locate the Clamp Ring and rotate to lock, then remove the Pressing Weight

Get ready to build the Specimen Holder, firstly by placing the Specimen Mounting Mandrel in a convenient position on the work bench

Place the rubber o-ring around the bottom of the Specimen Mounting Mandrel

Place the Soiling Material (eg, EMPA #104) face down on top of the Specimen Mounting Mandrel

Place the 90mm diameter woven felt centrally on top of the Soiling Material

Place the "Pilling Sample Holder" centrally over the woven felt

Roll the rubber o-ring up around the Specimen Mounting Mandrel until it snaps in to position around the Soiling Material

Add the Ring Weight

Ensure the Top Plate is in place

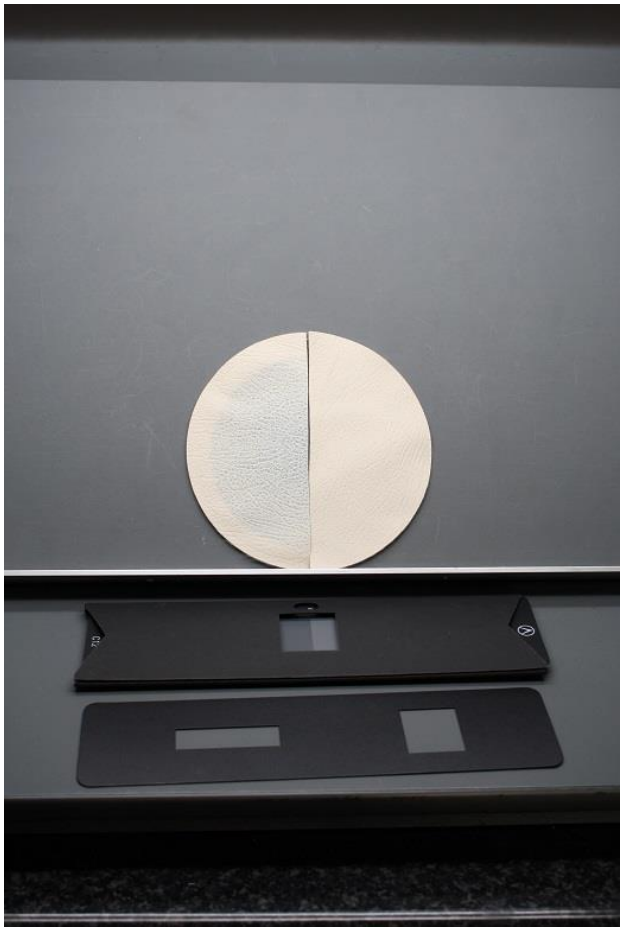
Place the prepared Pilling Sample Holder on to the leather specimen and line up the centre of the Pilling Sample Holder with the Bearing Housing

Place the Spindle down through the Bearing Housing into the Pilling Sample Holder

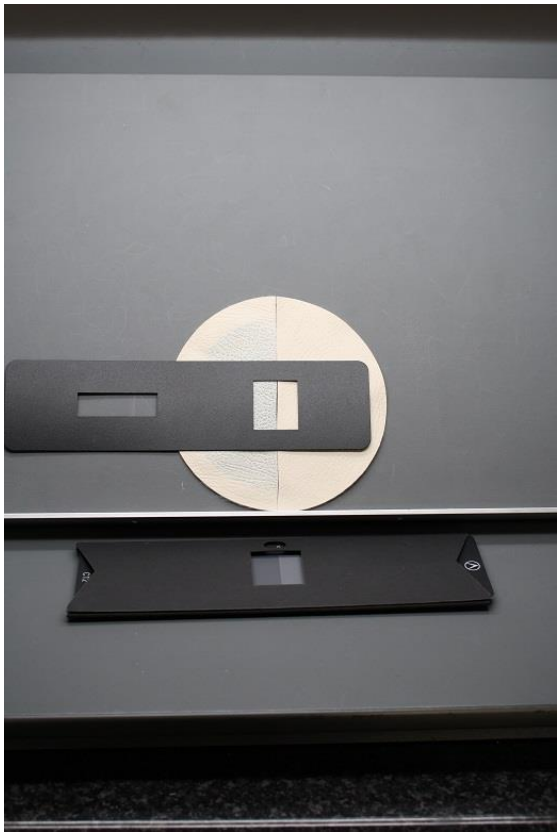
Add the "12 kPa" Weight to the top of the Spindle

Run the test

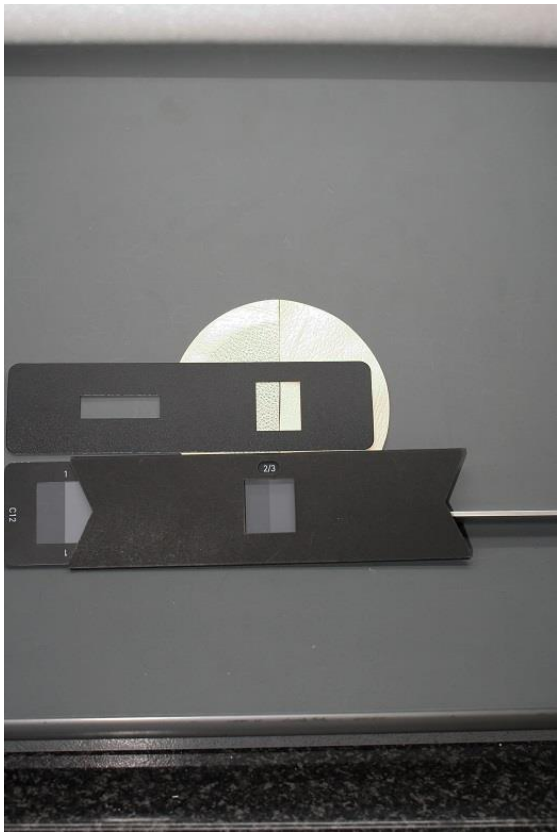
Remove the leather specimen from the Martindale apparatus



Cut the circular soiled and reference specimens in half, ensure the cut lines are straight and clean



Use the Grey Scale for Colour Change (ISO 105-A02) and mask if required



Visually assess any change in appearance and colour between the soiled and reference specimens