

Calibration Tile Care and Handling Instructions

HANDLING

1. Handle the tile carefully by the edges of its holder, not by the face. Oils and dirt on the skin can affect your measurement.
2. **Gently** place the tile against the instrument port and remove it from the port without sliding or rotating it against the aperture plate. The tile must not be moved while in contact with the aperture plate in order to prevent abrasion of the tile measurement surface.
3. The calibration tile should be placed against the port in the same position (orientation) with each use. The serial number plate on the back of the tile provides a means of orientation. We recommend that you place the tile with the label in the upright position and use the instrument's sample holder to align the centering of the tile.

CLEANING

1. Before each use, a calibration tile may be cleaned by gently wiping it clean with a soft, lint-free cloth. The tile surface must then be given time to acclimate to the temperature of the samples to be measured.
2. A detergent solution, free of optical brighteners and dyes, (1 part detergent: 250 parts water) should be used as needed to clear any oils, fingerprints, or other deposits. Clear Ivory dishwashing liquid, for example, is a suitable detergent for this purpose. NOTE: It is important that the detergent used contains no optical brighteners or other fluorescent/photoactive dyes. The calibration could be adversely affected!
3. Use only a few drops of the detergent solution to moisten a soft, lint free cloth, and gently wipe the tile surface then rinse the detergent from the tile by wiping it with a cloth moistened with clean water.
4. In the event your tiles come into contact with inks, paints, or other coatings, you may use a soft cloth moistened with alcohol or ethyl acetate to clean off the residue. Wipe the surface gently to wet the coating. Allow it to be softened, and remove it carefully without abrading the tile surface. Repeat as necessary to fully remove the coating. Follow this by cleaning with detergent as above.

CARE

1. The tile must be replaced if it is scratched, chipped, abraded, cracked or otherwise damaged. Scratches, cracks, and other wear on the measurement surface will affect or negate your calibration validity.
2. Do not allow the tile to be immersed in any fluid. Immersion in fluid can cause blotching or color changes.
3. NEVER use abrasive cleansers, razor blades, or other metal objects to remove dirt from your calibration tile; this will immediately damage the tile surface.

STORAGE

1. Calibration tiles should be stored in an environment that ensures the tiles are close to the same temperature as the samples to be measured. Large temperature variations in the sample environment will affect the accuracy of your calibration, making it necessary to calibrate the instrument frequently to offset these variations.
2. As with any pigmented substance, prolonged exposure to sunlight or other sources of ultraviolet radiation will eventually change the color values of the tile; therefore always store the tiles in a protective case or container away from direct sunlight, dirt and damage.

datacolor 