

Expectations for Tilt Panel Finished Surfaces



*Anthony DeCarlo
TWC Concrete Services, LLC*

Smooth Panel Surface Finish

- Panels that have been cast on a hard troweled surface





New ACI 301 Tilt Panel Finish Spec

- Three new categories of panel finish specification
- Categories created will be classified as Smooth Panel Finishes 1, 2 and 3

Smooth Panel Finish 3

- This is considered an architectural panel where a panel mock-up panels will be required.
- These panel surfaces shall have no surface voids, or surface offsets greater than 1/8 in. Any floor slab surface texture defects showing on panel surface will need to be ground or patched flush with panel surface.
- Contractor will repair cracks that allow water to seep through the panel to the interior surfaces after the panel has been installed and the final surface finish has been applied.
- Surface voids and offsets greater than 1/8 in. shall be ground or filled with a patching material.
- Upon completion of surface repairs and patching, for final acceptance, panels shall match the appearance of the accepted mock-up panel when viewed from a distance of 10 ft. in daylight.

Smooth Panel Finish 2

This panel finish type will be the most common panel finish.

- Floor contraction or sawcut joints showing on panel surface shall be ground or patched flush with the panel surface.
- Cracks that allow water to seep through the panel to the interior surfaces after the panel has been installed in its designed location and the final surface finish has been applied will be required to be repaired.
- Surface voids and offsets greater than $\frac{1}{4}$ in. will be ground or filled with patching material to present a finished surface ready for painting. Patches to match panel texture. Any patches will also need to match panel color for surfaces that won't be painted.

Smooth Panel Finish 1

- This finish is considered a simple utility type finish. (interior panels or panels not exposed to public view)
- Panel surfaces are not to have voids or other surface deformations greater than $\frac{1}{2}$ in. diameter or depth.
- Repair cracks that allow water to pass through the panel to the interior surface after the panel has been installed in its designed location and the final surface finish has been applied.



Questions?