



STONEWORKS COATING TEST DATA

NextStone has conducted extensive testing on its proprietary coating system. The details and results of the testing are as follows:

Stoneworks Hardness/Adhesion Test

Test Purpose:

The hardness adhesion of the coating to the substrate depends on the process of finishing the substrate, film thickness, and drying of the coating. The “Uni” pencil is used to test the hardness of the coating and the cross cut test to check its adhesion

Test Condition:

Hardness test: Place the “uni” pencil into the hardness test scale at an angle of 45°, adjust the tested film touched by the test scale and pencil at the same level, push the scale evenly to make the pencil slide on the film 5-8 cm, then rub the pencil hard with pressure to check whether there is any scratch. The hardness measured by the pencil has 17 grades as follows: 9H, 8H, 7H, 6H, 5H, 4H, 3H, 2H, H, F, HB, B, 2B, 3B, 4B, 5B, and 6B. 9H is the hardest and 6B is the softest. The sprayed film should be tested after thoroughly dry. It is necessary to record the time needed for the drying of the film. The hardness test scale is shown below.

Adhesion Test:

Hold the artist knife with the sharp point on the test film at an angle on 35-45° and cut the film into the substrate of the coating for a cross hatch of the film. Cut 100 10 cm squares. Apply transparent tape to the film to be tested, and then rapidly pull off the tape to check the adhesion of the coating film.

Test Results:

Minimum hardness requirements based on anticipated use were met. Required class for adhesion was met.