Product Name
Corian® Solid Surface with Resilience Technology

Manufacturer
Corian® Design
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Wilmington, DE 19805
Toll free 1-800-4-CORIAN (1-800-426-7426)
corian.com

PRODUCT DESCRIPTION
Basic use
Corian® Solid Surface is an advanced composite product used as an architectural and design material in a variety of residential and commercial applications. Corian® Solid Surface offers design versatility, functionality and durability. Supplied in sheets and shapes, it can be fabricated with conventional woodworking tools into virtually any design. It is the original solid surface material made only by DuPont. It is widely accepted as a material for countertops, vanity tops, tub/shower walls, kitchen sinks, vanity basins and laboratory bench tops in numerous markets including lodging, healthcare, banks, boutiques, restaurants.

Corian® Solid Surface with Resilience Technology™
Corian® Solid Surface with Resilience Technology™ features superior damage forgiveness, easier and quicker stain removal, and less need for maintenance. This best-in-class premium technology reduces physical and visible damage from scratching, heat, and impact, typical of daily usage in commercial environments. Scratch Hardnesses as measured by ASTM G171 are 65-95% greater than those for similar colors. Corian® Solid Surface with Resilience Technology™ is also quicker and easier to renew. Its surface looks new for a longer time and is easily maintained by occasional washing with water and a slightly abrasive pad by end-users. This gentle washing visibly removes low-level scratches. These superior properties are built into the material and the performance is permanent, lasting for the entire life of the material.

GENERAL INFORMATION
This bulletin focuses on the unique aspects of Corian® Solid Surface with Resilience Technology™. For general information regarding Corian® Solid Surface please read Corian® Product Overview (K-27478).

STANDARD PRODUCTS
Corian® Solid Surface with Resilience Technology™
All colors are available in ½” x 30” x 144” (12 x 760 x 3658 mm) sheets.

The Colors of Corian® Solid Surface with Resilience Technology™
For complete information on colors, refer to corian.com.

PERFORMANCE PROPERTIES AND CHARACTERISTICS
Corian® Solid Surface with Resilience Technology™ shares most Physical and Mechanical properties with Corian® Solid Surface. For full details please read Corian® Performance Properties (K-26829), Corian® Chemical Resistance (K-27406), and Corian® Fire Performance (K 28300). Select properties are listed below.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Test</th>
<th>Typical Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>ASTM D792</td>
<td>1.7 g/cm³</td>
</tr>
<tr>
<td>Approximate weight per square foot 12 mm (½”)</td>
<td></td>
<td>4.4 lbs.</td>
</tr>
<tr>
<td>Thermal Expansion</td>
<td>ASTM E228</td>
<td>3.9 x 10⁻⁵ m/m °C (2.2 x 10⁻⁵ in./in.°F)</td>
</tr>
<tr>
<td>Hardness - Rockwell “M” Scale</td>
<td>ASTM D785</td>
<td>&gt;94</td>
</tr>
</tbody>
</table>
MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Test</th>
<th>Typical Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Modulus</td>
<td>ASTM D790</td>
<td>1.2 x 10^6 psi</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td></td>
<td>10,000 psi</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>ASTM D638</td>
<td>1.5 x 10^6 psi</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td></td>
<td>6,000 psi</td>
</tr>
<tr>
<td>Tensile Elongation</td>
<td></td>
<td>0.4 % min.</td>
</tr>
<tr>
<td>Compressive strength</td>
<td>ASTM C365</td>
<td>16,000 psi</td>
</tr>
</tbody>
</table>

ADVANCED PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test</th>
<th>Typical Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stain Removal</td>
<td>Modified ANSI Z124.6</td>
<td>15-20% improvement</td>
</tr>
<tr>
<td>Scratch Hardness</td>
<td>ASTM G171</td>
<td>0.33 GPa</td>
</tr>
<tr>
<td>Finish Durability</td>
<td>Profilometer</td>
<td>50% reduction in kitchen grade scratch damage</td>
</tr>
<tr>
<td>Simple Surface Renewal</td>
<td></td>
<td>Ability to visibly remove light scratch damage</td>
</tr>
</tbody>
</table>

† Visual properties compared for similar colors.

FABRICATION AND INSTALLATION
Corian® Solid Surface with Resilience Technology™ is fabricated and installed using the same methods as standard Corian® Solid Surface.

AVAILABILITY AND COST
Availability
Corian® Solid Surface with Resilience Technology™ sheets are readily available through a worldwide network of Distributors and certified Fabricators/Installers.

Cost
Cost varies with color as well as custom fabrication and installation details.

WARRANTY
DuPont offers limited commercial and residential warranties.

MAINTENANCE
Corian® Solid Surface with Resilience Technology™ is quicker and easier to renew. Minor repairs can be done up to a semi-gloss finish. Hand finishing of higher gloss finishes requires proper tools and techniques to get a uniform finish. Guidance for renewing the surface is available in Corian® Solid Surface Care and Maintenance for Facility Managers (K-29810).

ADDITIONAL INFORMATION
For additional information or support please contact your local distributor, visit corian.com or call 1-800-4-CORIAN (800 426-7426).

REFERENCED DOCUMENTS
Corian® Product Overview (K-27478).
Corian® Performance Properties (K-26829)
Corian® Solid Surface Care and Maintenance for Facility Managers (K-29810)
Corian® Chemical Resistance (K-27406)
Corian® Commercial (Product Only) 10-Year Limited Warranty for North America
DuPont™ Corian® 10-Year Limited Residential Warranty for North America
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