# **1. PRODUCT NAME**

Corian<sup>®</sup> Solid Surface

# 2. MANUFACTURER

E.I. du Pont de Nemours and Company Corian<sup>®</sup> Products 2, Chemin du Pavillon P.O. Box 50 CH-1218 Le Grand Saconnex, Geneva Switzerland

# 3. PRODUCT DESCRIPTION

#### **Basic Use:**

Corian<sup>®</sup> is widely accepted as a material for kitchen countertops, vanity tops, tub/shower walls, kitchen sinks, vanity basins, wainscot and laboratory bench tops, in lodging, healthcare, banks, restaurants and many other markets. Other typical applications include tabletops, serving counters, toilet partitions, and window sills. Corian® offers elegant beauty and performance with distinct advantages: Corian® is solid, not coated or laminated. The hard, non porous surface is durable, and easy to keep clean with common household cleansers. Because of its solid composition, colour and pattern go all the way through its entire thickness. Cuts, scratches, and cigarette burns can be easily removed, restoring the original beauty of Corian®.

# **Composition and Materials:**

Corian® is a solid, non-porous surfacing material homogeneously composed of ±1/3 acrylic resin (also known as PolyMethyl MethAcrylate or PMMA), and  $\pm 2/3$  natural minerals. The main ingredient is the mineral Aluminum TriHydrate (ATH) derived from bauxite, an ore from which aluminum is extracted. For more information on the composition of the material, please consult the Corian® Material Safety Data Sheets (MSDS) available via the secured www.corianenterprise.com site or via your local supplier.

#### **Standard products:**

*Corian<sup>®</sup> Sheets* – Available in various standard thicknesses, easily cut to size by professional fabricators. All colours are available in

12.3 x 760 x 3680 mm sheets. Many are available in the other sizes. Check with a Corian<sup>®</sup> supplier for the latest product availability.

• 6 mm sheet:	760 x 2490 mm
	930 x 2490 mm
• 12.3 mm sheet:	760 x 3680 mm
	930 x 3680 mm
• 19 mm sheet:	760 x 3680 mm

#### Corian<sup>®</sup> Shape Products –

A range of vanity basins is available for custom integration into a Corian<sup>®</sup> sheet. For other wet areas, there is a good range of single and double bowl sinks that work well in kitchens, wet bars or small wash-up areas, hospitals or laboratories. Each carton contains care, maintenance and installation instructions.

Seamed undermounting and bevel mounting techniques eliminate rims that trap dirt and water, minimizing cleaning and maintenance costs. Appropriate accessory products, including installation hardware, are available and recommended for residential kitchens only. For complete product information refer to the <u>www.corian.com</u>.

# The colours of Corian®:

The colours of Corian® allow for an almost unlimited working palette. One can choose a single colour; a neutral basis for design; or experiment with eye-catching harmonies. Corian® can also be used as inlays, accents, or as a versatile complement with other materials as metal, wood, stone, etc. To help in the selection process, the colours of Corian® are arranged by hue in sub-palettes.

- Extra lights
- Beiges
- Naturals
- Warms
- Yellow greens
- Greens
- Blues
- Brights
- Greys
- Extra darks

For complete information on colours, refer to the current Corian® COLOUR leaflet or to the www.corian.com website. Hues, patterns, and textures are related by style and character. Please note that some Corian® colours are more sensitive than



others and should only be used as accent features.

#### Limitations:

Do not use Corian<sup>®</sup> where common sense would deem it unsafe. It is not recommended for below-grade wall applications. Take care to avoid installations where moisture could be trapped behind it. There are special considerations for installation in masonry construction. Contact a local DuPont<sup>™</sup> Corian<sup>®</sup> distributor or fabricator or call the Corian<sup>®</sup> Information Centre for more information.

Although Corian<sup>®</sup> can withstand high temperatures, it should be protected with hot pads or heat shields. 6 mm sheet is not recommended for countertops or other horizontal applications.

Corian<sup>®</sup> is stain-resistant, non-porous so spills and stains will not be absorbed into the surface. However, some chemicals can stain or damage the surface of Corian<sup>®</sup>.

These chemicals include strong acids (like concentrated sulfuric acid), ketones (like acetone), chlorinated solvents (like chloroform) or strong solvent combinations (like paint remover). The extent of the damage will depend on the length of contact. Except for paint remover, short periods of contact usually will not severely damage Corian<sup>®</sup>.

Acid drain cleaners should not be used as they can damage both Corian<sup>®</sup> and any plastic plumbing beneath. Corian<sup>®</sup> is not recommended for use in photographic processing laboratories since used developer stains on Corian<sup>®</sup> will require abrasive removal which may generate dust. More information on the chemical resistance of Corian<sup>®</sup> is shown in table 2.

#### **Applicable Standards:**

• NSF Compliance. The National Sanitation Foundation has listed

Corian<sup>®</sup> under NSF standard # 51: Plastic Materials and components used in Food Equipment. Corian<sup>®</sup> has the "component" mark.

- ANSI Z124.3 specifies various performance tests for plastic vanity basins.
- ANSI Z124.6 specifies various performance tests for plastic kitchen sinks.
- Lebensmittel- und Bedarfsgegenständegesetz (LMBG) § 30 and § 31 Abs. 1.
- ISO 4586/2 methods for determining resistance to boiling water, resistance to dry heat, resistance to cigarette burns.
- Additional ISO or DIN methods for determining hardness, waterabsorption, impact resistance, etc.
- DIN 4102/1 B1 (Germany); BS 476 part 6 and 7 (UK); classement M (France); specify methods for determining flame spread or reactions to fire.
   For other countries: contact DuPont<sup>™</sup> Corian<sup>®</sup>.
- STS 38 class 2 for protection against small fire arms (.357 Magnum Super).
   Panels containing 19 mm Corian<sup>®</sup> can protect against medium power threats.

# 4. TECHNICAL DATA

#### **Performance Properties:**

Typical performance properties of Corian<sup>®</sup> are shown in Table 1.

# Chemical Resistance of Corian<sup>®</sup>:

A test procedure, ANSI Z 124.3, Section 5.2, is used to evaluate the stain and chemical resistance of Corian<sup>®</sup>. Two puddles of each chemical liquid are applied to the surface of the Corian<sup>®</sup>. One puddle is covered with a piece of glass to keep it wet for the entire test period. The other is allowed to air dry. After 16 hours of exposure, the chemical residue is scrubbed with a wet Scotch-Brite<sup>™</sup> pad and bleaching cleanser (Ajax<sup>®</sup>, Comet<sup>®</sup>, Soft Scrub<sup>®</sup>, etc.). Most reagents do not penetrate Corian®, but adversely affect only the surface. The indicative list on chemical performance of Corian® is shown in Table 2.

Since surface damage may vary with chemical strength and exposure

time, and since scrubbing with cleansers may not always be appropriate (i.e., photo darkroom, clean lab, etc.), it is good practice to install a large test piece of material for one month in the real application to confirm the suitability of Corian<sup>®</sup>. Contact your local supplier that can help you get samples for testing.

# **5. INSTALLATION**

Detailed information on installing Corian<sup>®</sup> is available in the Corian<sup>®</sup> installation booklet or on the secured www.corianenterprise.com website.

#### Sheet Thickness:

Use of 6 mm sheet should generally be restricted to vertical applications only. The choice between 12.3 mm and 19 mm is generally based on aesthetic, performance and cost considerations. Consult a local Corian<sup>®</sup> specialist for assistance.

# **Joints and Cutouts:**

To minimize material and facilitate installation, corner joints should be made square (butt) rather than mitered. All Corian® joints should be reinforced. The edges to be joined should be straight, smooth and clean. Joints should only be made with "Joint Adhesive for DuPont<sup>™</sup> Corian<sup>®</sup>". Make cutouts with a router equipped with a sharp 9.5 mm diameter (minimum) carbide bit. Corners of a cutout must be rounded to 5 mm radius and edges smoothed, top and bottom, all around a cutout. L- and U- shaped corners need smooth, 13 mm radius inside corners. For hob cutouts corners should be reinforced with a Corian® corner block.

#### **Colour and Pattern Match:**

Corian<sup>®</sup> is a mineral-filled material, and like natural materials, some slight colour variation may exist from sheet to sheet, sheet to bowl, or bowl to bowl.

#### **Sealants and Adhesives:**

Corian<sup>®</sup> is compatible with many commercially available caulks and sealants. However, a specially developed FDA-listed silicone sealant sold by Corian<sup>®</sup> Distributors should be used to achieve the best performance and colour match. Specify "Silicone Sealant" for DuPont<sup>™</sup> Corian<sup>®</sup>. Vertical panels of Corian<sup>®</sup> may be installed over suitable substrates, including waterresistant gypsum board, marinegrade plywood and ceramic tile. Use "Silicone Sealant" for DuPont<sup>™</sup> Corian<sup>®</sup> whenever low flamespread is required. In other cases, light coloured elastic polyurethane adhesive or Type I (ANSI A 136.1-1967) elastic solvent-based spread mastic adhesives may also be used. **DO NOT USE WATER-BASED** 

ADHESIVES. Install countertops on perimeter framing support (without added substrate) using small amounts of silicone sealant. For making joints in countertops, repairs and custom edges, "Joint Adhesive for DuPont<sup>™</sup> Corian<sup>®</sup>" is required. When used in accordance with manufacturer's instructions, it provides a smooth and inconspicuous joint. Repairs, while sound and fully functional, can be expected to be slightly visible. Joint Adhesive is available wherever Corian® is sold. Joint Adhesive can also be used to add decorative inlay designs into horizontal and vertical Corian® surfaces. Check with a local Corian® specialist for details.

#### **Clearances:**

The recommended expansion clearance with uncaulked Corian® joints is minimum 30.5 x 10<sup>-6</sup> x (length of the Corian® piece) x (biggest temperature range expected in °C). Joints to be caulked should be approximately 3 mm wide to allow satisfactory caulk penetration and expansion.

#### **Precautions:**

Product dimensions are nominal. If tolerances are critical, review your needs with a local Corian® Distributor.

#### 6. AVAILABILITY AND COST

#### Availability:

Corian® and accessory products are readily available through a worldwide network of Corian® Distributors, and Quality Network Fabricators/Installers. Please check the Yellow Pages or call the Corian® Information Centre for the name of a local distributor or visit the Corian® website www.corian.com.

#### Cost:

Cost varies with thickness and width as well as custom fabrication and installation details. Contact the Corian® Information Centre for the names of Authorized Dealers, Fabricators/Installers, who can provide price information.

#### 7. WARRANTY

#### **Ten-Year Warranties:**

DuPont offers Corian® with two levels of warranty protection. The limited "Product" warranty is standard for all Corian® products and ensures that all products will be free from manufacturing defects for a period of 10 years after purchase. A higher level of protection, the 10 year limited "Installed" warranty, is available through Quality Network Corian® Fabricators.

This "Installed" warranty expands the "Product" warranty to ensure that both the fabrication and the installation of the finished product will also be free from defect. With two levels of warranty protection available, you can value engineer warranty coverage for each project. Feel free to discuss your needs with your local Corian® specialist.

#### 8. MAINTENANCE

**Preventing Damage to Corian®:** 

Avoid prolonged exposure to strong chemicals such as acids, bases, and organic solvents. Spills should be cleaned up promptly. Refer to attached Table 2 for additional details regarding chemical exposures, clean up, and general maintenance. In case of exposure outside the specifications listed in table 2, the 10 year limited product warranty will be void and handled as a case of abuse.

While unaffected by minor impacts, Corian® can be damaged by heavy impacts, especially from pointed objects. Corian® can also be damaged by excessive heat. Your local Corian® specialist can help you include appropriate heat management into your designs.

#### **Repairing Corian®:**

Corian<sup>®</sup> provides superior value by being inconspicuously repairable. Minor cuts, scratches, and stains can be removed by owners using fine sandpaper and Scotch-Brite<sup>™</sup> pads. Deeper gouges or impact damage such as cracks may require a Corian<sup>®</sup> licensed Service Centre or a Corian<sup>®</sup> Quality Network Member to make inconspicuous repairs.

#### 9. TECHNICAL SERVICES

Detailed material specifications for Corian<sup>®</sup> can be found on the www.corianenterprise.com website.

# 10. ADDITIONAL INFORMATION

DuPont has many bulletins which give additional information about Corian<sup>®</sup> and its properties, including radioactive compound and HIV (AIDS virus) cleanup in healthcare facilities. Also available are bulletins which detail fabrication, installation, repair, and proper use of accessories. Please visit the www.corianenterprise.com site for more information. Corian<sup>®</sup> waste is non-hasardous. In Germany it fits waste category 57 129.

#### 11. LEGAL

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available, since we cannot anticipate all variations in actual end-use of this information.

Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

# TABLE 1: PERFORMANCE PROPERTIES OF CORIAN® PRODUCTS

PROPERTY	RESULT	UNITS	TEST METHOD	*
Density	1.78 x 10 <sup>3</sup>	kg/m³	DIN 53 479 ISO R 1183	(2)
Tensile strength	34.9 - 39.5	N/mm²	DIN 53 455 ISO/DIS 527-78	(2)
Weight per m²	6 mm  11.5 12.3 mm 23.0 19 mm 34.0	kg/m² kg/m² kg/m²		(5)
Percentage elongation at break	0.36 - 0.49	%	DIN 53 445 ISO/DIS 527-78	(2)
Flexural strength	6 mm 57 12.3 mm 60 19 mm 66	N/mm² N/mm² N/mm²	DIN 53 452 ISO 178-75	
Elasticity modulus	10.000 ± 400	N/mm²	DIN 53 457-Z-B 3 ISO/DIS 527-78	(2)
Ball indentation hardness	337.3 ± 8.4	N/mm²	DIN 53 456 ISO/DIS 2039	(2)
Impact resistance 2 J unnotched	6 mm    3.5 12.3 mm   4.7 19 mm   7.7	kJ/m² kJ/m² kJ/m²	DIN 53 453 ISO / R 179/61	(2)
Impact resistance 2 J notched	6 mm 1.7 12.3 mm 1.9 19 mm 2.3	kJ/m² kJ/m² kJ/m²	DIN 53 453 ISO / R 179/61	(2)
Izod-notched impact resistance	13	J/m	ASTM-U-256 A	(2)

Corian<sup>®</sup> is a registered trademark of E.I. du Pont de Nemours and Company. Only DuPont makes Corian<sup>®</sup>. Scotch-Brite™ is a registered trademark of 3M.

# TABLE 1: PERFORMANCE PROPERTIES OF CORIAN® PRODUCTS (continued)

PROPERTY	RESULT	UNITS	TEST METHOD	*
Impact resistance in falling ball test	No crack at a falling height of 90 cm: 6 mm sheet 250 g ball 12.3 mm sheet 450 g ball 19 mm sheet 900 g ball		NEMA-LDI-2.15	(2)
Impact behavior test 500 g weight Damaging height W 50	6 mm 10.3 12.3 mm 87.5 19 mm >200.0	cm cm cm	DIN 53 443 BL 1	(2)
Resistance to boiling water	No visible changes; Change in weight and thickness + 0.09	%	ISO 4586/2 (1981) § 7; similar to DIN 53 799 (1975) § 4.10	(1)
Resistance to dry heat	Very slight change in lustre; no other visible changes		ISO 4586/2 § 8; similar to DIN 53 799 (1975) § 4.9	(1)
Resistance to cigarette burns	Yellow stain can be removed by abrasive cleaner		ISO 4586/2 (1981) § 18; similar to DIN 53 799 (1975) § 4.8	(1)
Contamination by mold fungus	0 2-3 no changes		ISO 486 A ISO 486 B	(4)
Water absorption	24 h 60 d 6 mm 0.04 0.30 12.3 mm 0.03 0.21 19 mm 0.03 0.17	% % %	DIN 53 495 ISO / R 62-80 3 L	(2)
Attrition/wear	$W_m = 110 \pm 12$	mg	DIN 53 754	(2)
Frictional index	f STAT = 0.43 f DYN = 0.39		Counterparts 3 steel balls 1/2" hardened from 100 CR 6 Load F <sup>N</sup> = 5.5 N Rubbing speed v = 0.5 m	(2) nm/s
Toxicity of flue gasses	Class FO	_	NF F16 101 (France)	
Opacity of flue gasses	Index IF = 1.7	—	NF F16 101 (France)	
Food contact approval	Appropriate	-	LMBG par 30-31 Ab.1 (Germany)	
Oxygen index	39.1 (sample thickness 4 mm)	%	ISO 4589 <i>,</i> Method A	(1)
DIN-Safety data	No hazardous preparation		DIN 52 900	(5)
Weathering resistance	No change after 1000 hrs		ASTM-D- 1499	(5)
Colour fastness	Without change		NEMA LDI-2.06	
Light fastness	better than 7		DIN 53 389	(2)
Transmission degree for standard illuminant A	3.0 7.3	%	DIN 5036T 3	(2)
60" reflectometer value	12 14		DIN 67 530	(2)
Arc strength	step L 4/Table 1		DIN 53 484	(2)
Dielectric value	∑r = 4,9		DIN 53 483	(2)
Dielectrical loss factor	$tan\delta = 0.055$		DIN 53 483	(2)
Dielectric strength	median value 32	kV/mm	DIN 53 481 IEC 243	(2)
Specific resistance	median value $P_D = 3.1 \times 10^{14}$	$\Omega$ cm	DIN 53 482 IEC 932	(2)
Volume conductivity	3.2 x 10 <sup>-15</sup>	$\Omega^{\text{-1}} \text{ cm}^{\text{-1}}$	DIN 53 482 IEC 932	(2)
Creep resistance	Control value CTI 600 erosion depth < 0.1	mm	IEC 112, VDE 0303T1	(2)
Surface resistance	Median value R <sub>OA</sub> = 3.3 x 10 <sup>13</sup>	Ω	DIN 53 482 IEC 932	(2)
Electrical final charge	Eg Polyacryl $+1.3 \times 10^4$ Polyamide $-3.1 \times 10^3$	Vcm <sup>-1</sup> Vcm <sup>-1</sup>	DIN 53 486	(2)
Thormal conductivity 2 (10%) data	30	min.		(2)
Coefficient of	0.769 max. 30.5 x 10⁻⁵	vv/(mĸ) K <sup>-1</sup>	DIN 52 612	(2)
Heat removal	$W^{1} = 62$ $W^{10} = 362$	kJ/m² kJ/m²	DIN 52 614	(3)

\* (1) Test Certificate BAM 3.2/3656/85 (2) Test Certificate BAM 3.12/2166/84 (3) Test Certificate BAM 2.42/21166 (4) Test Certificate BAM 5.1/4026

(5) Du Pont Test Certificates

# **CLASS I reagents**

The following reagents show no permanent affect on Corian<sup>®</sup> sheet when left in contact for periods

of 16 hours. The chemical residues can be removed with **a wet** Scotch-Brite<sup>™</sup> pad and bleaching **cleanser.** Sometimes, minimal effects have been observed particularly those indicated by footnotes (\*).

# TABLE 2: CHEMICAL RESISTANCE OF CORIAN® PRODUCTS

- Acetic Acid (10 %)
- Acetone\*\*
- Acrodine Orange
- AG Eosin Blue (5 %)
- AG Gentian Violet
- Ammonia (10 %)
- Ammonium Hydroxide (5, 28 %\*\*)
- Amyl Acetate
- Amyl Alcohol
- Aromatic Ammonia
- Ball Point Pen
- Benzene\*\*
- "Betadine" Solution
- Bite Registration Accelorator (2 % Eugenol)
- Bite Registration Base
- Bite Registration Mix (50/50)
- Bleach (Household Type)
- Blood
- B-4 Body Conditioner
- Butyl Alcohol
- Carbon Disulfide
- Carbon Tetrachloride\*\*\*
- "Cavity" in Phenol
- Citric Acid (10 %)
- Caulk IRM (with or w/o ZnO)
- Calcium Thiocyanate (78 %)
- Cigarette (Nicotene)
- Coffee
- Cooking Oils
- Copalite Intermediary Varnish
- Cotton Seed Oil
- Crystal Violet
- Cupra Ammonia
- Debacterol
- Dimethyl Formamide
- Dimethylene Blue
- Dishwashing Liquids/ Powders
- "Dry Bond" Dental Adhesive
- Eosine (23 % Eugenol)
- Equalizing Accelerator
- Equalizing Base
- Ethyl Alcohol (Ethanol)\*\*

\* May cause surface etching or deglossing after 16 hours exposure \*\* May cause slight lightening after 16 hours exposure \*\*\* May cause slight darkening after 16 hours exposure

- Ethyl Acetate
- Ethyl Ether\*\*
- Eucalyptol

- "Eugenol" (with or w/o  $Z_nO$ )
- Ferric Chloride
- "Fisher" Formaldehyde (40 %)
- Food Coloring
- Formaldehyde
- Gasoline
- Gentian Violet
- Hair Dyes
- Household Soaps
- Hydrochloric Acid (20, 30 %)
- Hydrogen Peroxide
- Introfiant Arterial Chemical
- lodine (1 % in alcohol)\*\*\*
- "Kelviscera" Cavity
- Kerosene
- Ketchup
- Lemon Juice
- Lipstick
- Liquid shoe polish
- "Luralite" Accelerator (16 % Eugenol)
- "Luralite" Base
- Lye (1 %)
- "Lysol" Brand Cleaner
- Mercurochrome
  - (2 % in water)\*\*\*
- Methanol\*\*
- Methyl Ethyl Ketone
- Methyl Orange (1 %)
- Methyl Red (1 %)
- Mineral Oil
- Munsel's Solution
- Mustard
- Nail Polish
- Nail Polish Remover (Acetone)
- Napthalene (Naptha)
- Neotopanel
- n-Hexane
- Nitric Acid 6 %
- Olive Oil
- Pencil Lead
- Perchloric Acid
- Permaflow Preinjection
- "Permaglow" Arterial Fluid\*
- Permanent Marker Ink
- Peroxide
- Phenophthalein (1%)

- Phosphorus Pentoxide
- Picric Acid
- "Procaine"

Safrani

Shoe Polish

• Potassium Permanganate (2 %)

Restorative Anti-dehydrant

• Silica Dental Cement (liquid)

Sodium Hydroxide Solution

Sodium Hydroxide Flake\*\*

• Sodium Hypochlorite (5 %)

• Sulphuric Acid (25, 33, 60 %)

Salt (Sodium Chloride)

Silver Nitrate (10 %)

Soapless Detergents

Sodium Bisulphate

(5, 10, 25, 40 %\*\*)

· Sodium Sulphate

· Solitine solvent

Sugar (Sucrose)

• Tetra Hydrofuran

Isothiocynate

• "Thymol" in Alcohol

• Tincture of lodine

Toluene\*\*\*

• Trypan Blue

• Urea (6 %)

Uric Acid

Urine

• Vinegar

Xylene

· Washable inks

· Wright's Stain

· Zinc Chloride

• Wine (all varieties)

• Zephiran Chloride

Zinc Oxide (paste, ointment)

Tomato Sauce

• Trichloroethane

• Tetramethyl Rhodamine

Tincture of MercurochromeTincture of Merthiolate

• Trisodium Phosphate (30 %)

• Soy Sauce

Tannic Acid

• Tea

# **CLASS II reagents**

Corian<sup>®</sup> is not recommended, for working areas where CLASS II reagents may come in contact with Corian<sup>®</sup>.

The 10 Year Limited Installed and Product warranty does NOT apply where class II reagents come in contact with Corian<sup>®</sup>.

The occasional stain that might result from inadvertent exposure to Class II reagents can often be removed. Scrubbing with household cleanser will remove light stains. More stubborn surface stains will require sanding with fine to coarse sandpaper.

The following residues may require sanding for complete removal:

- Acetic Acid (90, 98 %)
- Acid Drain Cleaners
- Aqua Regia Cleaner
- Chlorobenzene
- Chloroform (100 %)
- Chromic Trioxide Acid
- Cresol
- Dioxane
- Ethyl Acetate
- Equalizing Mix (50/ 50)
- Formic Acid (50, 90 %)
- Furfural
- Glacial Acetic Acid
- Giemsa
- Hexaphene Autopsy/ VisceraTreatment
- Hydrofloric Acid (48 %)
- Luralite Mix (50/ 50)
- Methylene Chloride Based
  Products
  - Paint Removers
  - Brush Cleaners
  - Some Metal Cleaners
- Nitric Acid (25, 30, 70 %)
- Phenol (40, 85 %)
- Phosphoric Acid (75, 90 %)
- Photographic Film Developer (used)
- Sulphuric Acid (77, 96 %)
- Trichloroacetic Acid (10, 50 %)

# SPECIALIZED PRODUCTS

# **Biochemistry staining agents**

in most instances will stain Corian<sup>®</sup> after a few minutes exposure. However, the stains are generally removable by prompt scrubbing with acetone as indicated below.

- Giemsa
- Trypan Blue Stains removed with acetone
- Acridine Orange
- Safranine
- Crystal Violet Stain incompletely removed with acetone

The following **dental treatment materials** will degloss, etch, or slightly stain Corian<sup>®</sup> Surfaces. Affected areas may be restored by scrubbing with a Scotch-Brite<sup>™</sup> cleaning pad.

- Copalite Intermediary Varnish
- Caulk IRM (with or without ZnO)
- Eugenol (with or without ZnO)
- Luralite accelerator (16 % Eugenol)
- Luralite base
- Solitine solvent
- Equalizing accelerator (23 % Eugenol)
- Equalizing base
- Bite registration base
- Bite registration accelerator (2 % Eugenol)
- Bite registration mix (50/50)

Stains caused by the following dental treatment materials may require light to moderate sanding for removal.

- Luralite mix (50/50)
- Equalizing mix (50/50)

# Note:

- Products that are not listed may be similar to the ones that are. Please compare the ingredients listed on their label or in their Material Safety Data Sheet to the ones mentioned.
- The published data are for 16h exposure time. In reality exposure can be much longer. A leaking hand-soap dispenser may cause a liquid puddle under it for weeks and months. Or, some containers have poorly designed spouts/caps from which product leaks every time they are used, so that they stand constantly in their spill. If needed, a drip cup or a spill tray in a suitable material would address these situations.
- The resistance to staining of Joint Adhesive is slightly less than that of Corian<sup>®</sup> sheet and shape.
- Our draining accessories are recommended for residential kitchens only!
- Some disinfectants, degreasers or professional cleansing products contain ingredients such as ethanol or propanol which may harm acrylics. Check the manufacturers instructions and do not use any of them on Corian®, that warm "do not use on acrylics".