

COVID 19

Linoleum xf²



THE ULTIMATE
FLOORING EXPERIENCE

Standard:
ISO 26987:2012 Staining and
resistance to chemicals
(EN 423)

Disinfectants/cleaning compounds

Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neutral detergent
Citric Acid	50%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Hydrogen Peroxide H2O2	30%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Paracetic acide C2H4O3	15%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Sodium Hypochlorite (Bleach)	12%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Common Hand sanitizer (Amuchina)		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Ethanol	90%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Diethyl ether		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Isopropanol	90%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Glycerol		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
ethylen glycol		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Hydrochloric acid HCl	37%	5 min	0 - Not affected	0 - Not affected
		30 min	1 - Slight	1 - Slight
		2 h	1 - Slight	1 - Slight
		24 h	3 - Severe	3 - Severe

most used to sanitize and protect from COVID 19

Key

- 0 - Not affected
- 1 - Slight
- 2 - Moderate
- 3 - Severe

Cleaning products

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chemicals**
(EN 423)

Disinfectants/cleaning compounds

<i>Product name</i>	<i>Conc.</i>	<i>Time</i>	<i>Results after cleaning with dry paper</i>	<i>Results after cleaning with neutral detergent</i>
Mikrobac Forte	1%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Surfanios Lem.	0,25%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Deterg' Anios Suractive Marine	0,25%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected

Acids

<i>Product name</i>	<i>Conc.</i>	<i>Time</i>	<i>Results after cleaning with dry paper</i>	<i>Results after cleaning with neuter detergent</i>
Acetic acid	50%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Nitric acid	30%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	2 - Moderate	2 - Moderate
		24 h	3 - Severe	3 - Severe
Citric Acid	50%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	3 - Severe	0 - Not affected
Hydrochloric acid HCl	37%	5 min	0 - Not affected	0 - Not affected
		30 min	1 - Sligth	1 -Sligth
		2 h	1 -Sligth	1 -Sligth
		24 h	3 - Severe	3 - Severe
Sulfuric acid H2SO4	30%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	2 -Moderate (white stain)	2 -Moderate (white stain)

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Organic Solvents

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Organic solvents				
Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neuter detergent
Acetone		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Carbon tetrachloride		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Toluene		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Chloroform		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Organic solvents				
Cyclohexane		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Ethanol		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Diethyl ether		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
n-Hexane		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Formaldehyde	40%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Sodium Hypochlorite (Bleach)	12%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
White spirit		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected

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Alkali - salt solution

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Alkali (bases)				
Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neuter detergent
Ammonia solution	25% (pH=12)	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	2 -Moderate	1 -Slight*
		24 h	2 -Moderate	2 -Moderate
Potassium hydroxide	0,1% (pH=13,5)	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Potassium hydroxide	0,013% (pH=8,5)	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Potassium hydroxide	1%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	2 -Moderate	2 -Moderate
* cleaning with isopropylalcohol				
Alkali (bases)				
Sodium hydroxide NaOH	10%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Sodium hydroxide NaOH	50%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Salt solutions				
Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neuter detergent
Sodium carbonate	20%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Copper (II) sulphate	10%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Ammonium carbonate	10%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	2 -Moderate (yellow stain)	0 - Not affected
		24 h	2 -Moderate (yellow stain)	2 -Moderate (yellow stain)
Ammonium iron (III)sulphate	10%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	2 -Moderate (yellow stain)	0 - Not affected

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Medical

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Medical chemicals				
Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neuter detergent
Betadine		5 min	2 -Moderate (yellow stain)	0 - Not affected
		30 min	2 -Moderate (yellow stain)	0 - Not affected
		2 h	2 -Moderate (yellow stain)	0 - Not affected
		24 h	2 -Moderate (yellow stain)	2 -Moderate (yellow stain)
Aniline blue	2,5% in ethanol	5 min	3 - Severe (blue stain)	3 - Severe (blue stain)
		30 min	3 - Severe (blue stain)	3 - Severe (blue stain)
		2 h	3 - Severe (blue stain)	3 - Severe (blue stain)
		24 h	3 - Severe (blue stain)	3 - Severe (blue stain)
Methylene blue	2,5% in ethanol	5 min	3 - Severe (blue stain)	3 - Severe (blue stain)
		30 min	3 - Severe (blue stain)	1 -Slight*
		2 h	3 - Severe (blue stain)	1 -Slight*
		24 h	3 - Severe (blue stain)	3 - Severe (blue stain)
* cleaning with isopropylalcohol				
Amuchina		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Hematoxylin	5%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Hibitane (chlorhexidine)	0,50%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Iodine	2% in ethanol	5 min	1 - Slight	0 - Not affected
		30 min	3 - Severe	3 - Severe
		2 h	3 - Severe	3 - Severe
		24 h	3 - Severe	3 - Severe
Hydrogen Peroxide H2O2	30%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Paracetic acide C2H4O3	15%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Sodium Hypochlorite (Bleach)	12%	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Common Hand sanitizer		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected

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Miscellaneous

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chemicals**
(EN 423)

Miscellaneous chemicals				
Product name	Conc.	Time	Results after cleaning with dry paper	Results after cleaning with neuter detergent
Olive oil		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Miscellaneous chemicals				
Coffee		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Tea		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	3 - Severe (brown stain)	0 - Not affected
Coke		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Wine (red)		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Barium hydroxide	5% solution in water	5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected
Motor oil		5 min	0 - Not affected	0 - Not affected
		30 min	0 - Not affected	0 - Not affected
		2 h	0 - Not affected	0 - Not affected
		24 h	0 - Not affected	0 - Not affected

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- 1 - Slight
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- 3 - Severe