

Chemicals substances Tests based on the EN 423 / EN ISO 26987 Norm

Test Objective:

Determine the reaction of a resilient floor covering to those chemical substances it is likely subjected to in service.

Test Principle:

Specified chemical substances in liquid or solid form are placed on a test piece for defined periods and then removed. After cleaning has been carried out, the resulting change of appearance is assessed under specific lighting conditions.

			Homogeneous		
			iQ Granit, iQ Eminent, iQ Optima, iQ Megalit, iQ Surface, iQ Natural		
	<i>Substances</i>	<i>Concentration</i>	<i>5'</i>	<i>2h</i>	<i>24h</i>
Acids	Acetic acid CH ₃ COOH	80%	0	0	0
	Citric Acid	50%	0	0	0
	Hydrochloric acid HCl	37%	0	0	0
	Nitric acid HNO ₃	65%	0	1	1
	Nitric acid HNO ₃	30%	0	0	3
	Phosphoric acid H ₃ PO ₄	85%	0	0	0
	Phosphoric acid H ₃ PO ₄	30%	0	0	0
	Sulfuric acid H ₂ SO ₄	98%	3	3	3
	Sulfuric acid H ₂ SO ₄	30%	0	0	0
Alkali	Ammonia NH ₄ OH	25%	0	0	0
	Sodium hydroxide NaOH	50%	0	0	3
	Potassium hydroxide	0,1%	0	0	0
Solvents	Acetone C ₃ H ₆ O	>98%	0	1	1
	Acetonitrile	>98%	0	1	1
	Diethyl ether	> 98%	0	0	0
	Ethanol C ₂ H ₅ OH	>98%	0	0	0
	Formaldehyde CH ₂ O	37%	0	0	0
	Heptane	>98%	0	0	0
	Isopropanol C ₃ H ₈ O	>98%	0	0	0
	White spirit	>98%	0	0	0
Salts	Potassium chloride KCl	10%	0	0	1
	Potassium permanganate KMnO ₄	5% in H ₂ O	1	3	3
	Silver nitrate AgNO ₃	2% in H ₂ O	0	1	1
	Sodium carbonate Na ₂ CO ₃	20% in H ₂ O	0	0	0
Medichal chemicals	Eosin	1% in H ₂ O	0	0	1
	Iodine	1% (alcohol)	1	1	2
Desinfectants/Antiseptics	Hydrogen peroxide	30%	0	0	0
	PVP-I (Povidone-iodine) - Betadine Yellow bottle	10%	0	0	0
	PVP-AI - Alcoholic Betadine Orange bottle	5%	1	1	1
	PVP-I Scrub - Betadine Red bottle	7,5%	0	0	0
	Chlorhexidine gluconate	0,5%	0	0	0
	Chlx gluconate-Alcohol (Hibitane Plus)	5%	0	0	0
	Peracetic acid C ₂ H ₄ O ₃	15%	0	0	0
	Quaternary Ammonium (used in Floor cleaners)	30%	0	0	0
	Sodium hypochlorite (Bleach)	0.5% active chloride in H ₂ O	0	0	0

- 0 Not affected
- 1 Slightly affected
- 2 Moderately affected
- 3 Intensely affected



Stain removal - general advice

Treat marks immediately
 Using polyester soft red pad or soft brush and appropriate detergent to remove residual spots and stains
 Work from the outside of the mark towards its center. Rinse and wipe afterwards with clean water