



TECHNICAL DATA SHEET
NANOFLEX® VP 172 / AG 1-4 / AG / AG PLUS

Nano-Care Deutschland AG | Alfred-Nobel-Straße 10 | D-66793 Saarwellingen
www.nano-care.com | phone: +49 6838 9749 140 | fax: +49 6838 9749 150



PRODUCT NAMES:

NANOFLEX® VP 172 / AG 1-4 / AG / AG PLUS

<p>CONTACT ANGLE (HYDROPHOBIA)</p>	<p>between 120° and 140° depending on the porosity of the surface</p>
<p>NON-STICK PROPERTIES</p>	<p>VP 172: water repellent and easy-clean effect AG 1-4: water repellent and strong easy-clean effect AG: water repellent, strong easy-clean effect and anti-graffiti properties AG Plus: water repellent, strong easy-clean effect and strong anti-graffiti properties</p>
<p>ABRASION RESISTANCE</p>	<p>Same as the substrate</p>
<p>PHYSICAL AND CHEMICAL CHARACTERISTICS:</p>	<ul style="list-style-type: none"> - Form: liquid - Color: colorless to light yellow - Odor: nearly odorless - Boiling point: 97°C - Flash point: > 66°C - Ignition temperature n/a. - Density (20 °C): ~1,0 g/cm³ - Solubility in water (20 °C): soluble - pH value (500g/l) (20 °C): ~ 3 - 5 - dynamic Viscosity (20 °C): ~ 1,6 mPa*s
<p>UV-RESISTANCE:</p>	<p>No changing of contact angle after 250 hours with the UV-machine Uvaspot 1000 (UV-light from 295 nm, power 1000 Watt, distance 32 cm)</p>
<p>CHEMICAL RESISTANCE:</p>	<p>pH-Value 1 to 13 solvent resistant resistant to chemical cleaners detergent resistant</p>



<p>MARKETING RECOMMENDATION NANOFLEX VP 172</p>	<p>High porous (absorbent) substrates: Gas concrete, sandstone, terracotta, roof tiles etc.</p>
<p>MARKETING RECOMMENDATION NANOFLEX AG 1-4</p>	<p>All kind of mineral surfaces, especially less absorbent surfaces e.g. high density concrete, Tunnels, bridges etc.</p>
<p>MARKETING RECOMMENDATION NANOFLEX AG + AG PLUS</p>	<p>All kind of mineral surfaces (stones)</p>
<p>APPLICATION</p>	<p>- "wetting the surface and let it dry" - spraying - dipping</p> <p>A second wet-in-wet application is recommended because it usually avoids misses but it is not necessary.</p>
<p>FOOD SAFETY (INERT)</p>	<p>yes</p>
<p>OIL REPELLENCY (OLEOPHOBIC)</p>	<p>yes</p>
<p>BREATHABILITY</p>	<p>yes</p>