


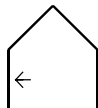
StoClimasan Color



Active interior paint with photocatalytic effect

Rev. UK/004/10.2005

Characteristics				
Function		<ul style="list-style-type: none"> - Active coating with effect of breaking down harmful substances - Active coating with odour reducing effect - Solvent and plasticiser free. Minimum emission. TÜV examined - Very good covering power - Wet scrub resistance class 2 in accordance with BS EN 13 300 - Limited tinting in accordance with the StoColor System 		
Areas of use				
Use		<ul style="list-style-type: none"> - For interior use - Particularly suitable where many people meet on a daily basis: in doctor's surgeries, restaurants, hotels, clinic etc. - The more light is present, the greater the surfaces, the more noticeable the effect 		
Restrictions		- Functions only under exposure to visible light		
Technical data				
Product group		Active interior paint		
Composition		Polymer dispersion, titanium dioxide, silicate fillers, kaolin, calcium carbonate, water, additives, pot preservative agents [reaction mixture consisting chlor free isothiazolinone compounds]. Special pigments: VCL - Visible Light Catalysts. Advice for isothiazolinone allergy sufferers under telephone number +49 7744 57-1276.		
Data 	Criterion	Norm / Test prescript	Value	Units
	Density (at 23 °C)	BS EN ISO 2811-2	1.5	g/cm ³ ⁽¹⁾
	Non-volatile content (solids)	VIQP 033 / VILS 001 (Sto internal standard)	56	M-%
	pH value	VIQP 011 (Sto internal standard)	8.4	
	Gloss (reflectance)	BS EN 13 300, § 5.2	2.2 ⁽²⁾ dead-matt	
	Wet scrub resistance	BS EN 13 300, § 5.4	Class 2	
	Contrast ratio (opacity)	BS EN 13 300, § 5.5	Class 1 ⁽³⁾	
	Lightness	DIN 5033-9	85	%
	⁽¹⁾ g/cm ³ = kg/dm ³ = kg/l ⁽²⁾ at 85° angle of incidence ⁽³⁾ at spreading rate 7 m ² /l The values stated are average values. Due to the use of natural raw materials in our products, the actual value determined on an individual delivery may deviate slightly, without compromising product suitability.			
Certificates / norms / approvals		Certificate 28.02.2005 StoClimasan Color, Evaluation of emissions and toxicological and environmentally relevant contents, TÜV Industrie Service GmbH, TÜV SÜD Gruppe, München Certificate 18.03.2005 StoClimasan Color Effectiveness of photocatalysis in interiors, Institute für Anorganische Chemie, University Erlangen-Nürnberg		



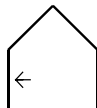
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Application	
Substrate	The substrate must be firm, dry, clean, load bearing as well as free of sinter layers, efflorescence and separating agents.
Substrate preparation	<p><u>New substrates:</u> Remove soiling and clean surfaces. Remove any existing sinter skin.</p> <p><u>Old substrates:</u> Dry or wet clean surfaces thoroughly. With mildew attack, a special thorough cleaning and post-application treatment with StoColor Protect is required. Loose paint remains and non-load bearing old paint coats and coatings should be removed and the surface cleaned again (mechanically or with suitable stripping agents). For cracked substrates, we recommend whole-surface papering with StoTex Classic 101 P (pigmented painter's fleece). With highly decorative application techniques (e.g. lime press techniques) on gypsum plasterboard elements, a whole-surface papering with StoTex Classic 101P must be carried out. This avoids crack formation.</p> <p><u>Plasters of mortar groups PG II and III (EN 998-1):</u> Firm, normally absorbent substrates should be coated without pre-treatment. On coarsely porous, sanding, absorbent plasters apply a base coat. Prime with StoPrim Plex.</p> <p><u>Gypsum and finished plasters of mortar groups PG IV and V (EN 998-1):</u> Remove any existing sinter skin mechanically and clean of dust. Prime with StoPrim Plex.</p> <p><u>Gypsum construction boards:</u> In case of absorbent boards, prime with StoPrim Plex.</p> <p><u>Gypsum plasterboards:</u> Sand off leveller ridges. The gypsum plasterboard surface including the sanded leveller should be prepared for subsequent coating using StoPrim Plex. In cases of penetrating yellowing, an additional barrier coating of StoPrim Isol should be applied.</p> <p><u>Concrete:</u> Contamination's from forming oil, grease and wax should be removed by steam blasting. Small defects and blowholes should be repaired using StoLevell In Z. Prime with StoPrim Plex.</p> <p><u>Aerated concrete:</u> Prime with StoPrim Plex and level smooth.</p> <p><u>Fair faced brickwork:</u> Clean and dust. Prime with StoPrim Plex.</p> <p><u>Wood, rigid fibre, chipboard and plywood boards:</u> Prepare waxed boards appropriately. Prime with StoPrim Plex or Sto-Aquagrund.</p>



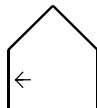
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<p>Substrate preparation (cont.)</p>	<p><u>Load bearing coatings:</u> Matt, weakly absorbent coatings can be overcoated directly. Glossy surfaces and lacquer coatings should be roughened. Prime with StoPrim Plex (only with strongly absorbent old dispersion paint coatings).</p> <p><u>Non load bearing coatings:</u> Non load bearing lacquer and dispersion paint coats should be completely removed. Prime with StoPrim Plex.</p> <p><u>Old lime and mineral paint coats and coatings:</u> As far as possible, remove mechanically and dust surfaces. Prime with StoPrim Plex.</p> <p><u>Lime paint coats:</u> Wash off thoroughly. See corresponding substrate.</p> <p><u>Wallpapers:</u> Remove without remainder. Wash off paste and paper remains. Close gaps with filler or wall leveller. See corresponding substrate.</p> <p><u>Surfaces under mildew attack:</u> Remove mildew coating with wet cleaning (e.g. brushing or scratching). Treat with StoColor Protect. Prime according to type and condition of substrate.</p> <p><u>Surfaces with nicotine, water, rust or grease stains:</u> Wash down surfaces with water, adding grease-removing household cleaner; allow to dry well and brush off. Apply isolating base coat. Prime with StoPrim Isol.</p>		
<p>Application temperature</p>	<p>Minimum application and substrate temperature + 5 °C</p>		
<p>Coating procedure</p>	<ol style="list-style-type: none"> 1. <u>Base coat</u> Dependent on type and condition of the substrate. 2. <u>Intermediate coat</u> StoClimasan Color 3. <u>Finish coat</u> StoClimasan Color 		
<p>Material preparation</p>	<p>Ready for use, can be adjusted to application consistency with max. 3 % water.</p>		
<p>Consumption</p>	<p>Article</p>	<p>Type of application</p>	<p>Consumption approx.</p>
	<p>white</p>	<p>per coat</p>	<p>0.14 l/m²</p>
	<p>tinted</p>	<p>per coat</p>	<p>0.14 l/m²</p>
<p>Spreading rate on smooth surface approx. 8.0 m²/l, on rough surface approx. 7.0 m²/l</p> <p>The material consumption is dependent on substrate and application method.</p>			



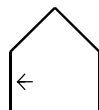
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Application	By brush, roller, airless spray. Overcoatable after approx. 6 hours (+ 20 °C / 65 % RH). In conditions of high air humidity and / or low temperature, drying will be delayed accordingly.
Cleaning of tools	Clean with water immediately after use.
Supply	
Product code and name	02990-001 StoClimasan Color, white, 15 ltr pail 02990-004 StoClimasan Color, tinted, 15 ltr pail 02990-007 StoClimasan Color, white, 5 ltr pail 02990-008 StoClimasan Color, tinted, 5 ltr pail
Packaging	Pail (PE), 15 ltr and 5 ltr
Colour	Available in white tinted to selected colours of the StoColor System. StoClimasan Color can lead to a lightening of the white or tinted material under the effects of light. These are caused by the high photocatalytic activity. Note: with coloured material, the pigment pastes add very low quantities of solvents to the paint.
Gloss	Dead-matt in accordance with BS EN 13 300.
Storage	
Storage conditions	Store tightly sealed in frost-free conditions.
Storage life	In unopened original containers, product can be stored for 12 months. (Relevant data: refer to packaging).
Environment	
Disposal	Waste has to be disposed considering the local, official regulations. Material into drains to arrive do not leave. Waste key in accordance with the European Waste Catalogue: 08 01 12.
Special notes	
Safety	For further information on handling, storage and disposal of the product, please refer to the current EU Material Safety Data Sheet, available on request for professional users.
GISBAU-code	M-DF01
Revision No.	UK/004
Validity	01.10.2005 Uses not clearly described in this Technical Data Sheet should only take place after consultation with Sto Ltd. The information and data serve to ensure the normal application purpose and normal application suitability. This Technical Data Sheet is valid in the United Kingdom and Ireland.



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Sto worldwide:

<p>Austria Sto Ges.m.b.H. 9500 Villach</p>	<p>Belgium Sto nv/sa 1730 Asse</p>	<p>Czech Republic Sto s.r.o. 150 00 Praha</p>	<p>Finland Sto Finexter Oy 33720 Tampere</p>	<p>France Sto S.A.S. 95870 Bezons</p>
<p>Germany Sto AG 79780 Stühlingen</p>	<p>Hungary Sto Építőanyag Kft. 2330 Dunaharaszti</p>	<p>Italy Sto s.r.l. 50053 Empoli (FI)</p>	<p>Netherlands Sto Isoned bv 4004 KD Tiel</p>	<p>Norway Sto Norge A/S 0664 Oslo</p>
<p>Poland Sto-ispo Sp. z o.o. 03-872 Warszawa</p>	<p>Spain Sto Ibérica S.L. 08302 Mataró</p>	<p>Sweden Sto Scandinavia AB 582 77 Linköping</p>	<p>Switzerland Sto AG 8172 Niederglatt</p>	<p>United Kingdom Sto Ltd. Paisley PA3 3BQ</p>
<p>China Shanghai Sto Ltd. Shanghai 200001</p>	<p>Malaysia Sto SEA Sdn. Bhd. 47100 Puchong, Selangor</p>	<p>Singapore Sto SEA Pte Ltd Singapore 575625</p>	<p>USA Sto Corp. Atlanta, Georgia 30336-5609</p>	