

# DISPERLITH Hygienic ECOLABEL

Ecolabel paint with Biofilm Stop Technology, for indoor. Waterborne paint, zero VOC, ammonia, APEO, formaldehyde and heavy metals free and without any solvents added. At Hospitals, clinics, schools, industry, food industry, home... With Declaration of Conformity FAKOLITH Sanitary Registry RGSEAA ES-39.005259/T



## MATERIAL TYPE

DISPERLITH Hygienic is an Ecolabel waterborne paint base on vinyl acetate and ethylene modified copolymers, suitable for indoors in normal situation, with matte finish and excellent covering power, with prevention technology for bacteria at standard indoor situations.

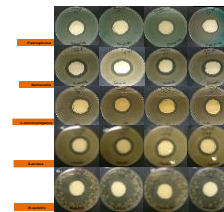
## PROPERTIES

DISPERLITH Hygienic provides a well balanced film of paint, which is easy to apply, fast drying, with very low smell and providing an excellent finish, according to DIN EN 13300 is: Wet Scrub Resistance Class 1, Covering Class 1 (>260 ml/m<sup>2</sup>) and Class 2 (250-200 ml/m<sup>2</sup>), water vapour transpiration Class 1 (S<sub>D</sub>=0,03), and water permeability Class 1 (W=0,9). Paint resistant to the most disinfectant cleaners according to Tests DIN EN ISO 4628-2: 2004-01 by TÜV SÜD Germany and/or Fakolith R&D+i. (For more security, before use, ask your case to our Tech. Department).

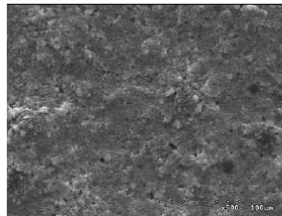


Zero VOC paint, according to the standard 11890-2:2007, with VOC content below 100 ppm.

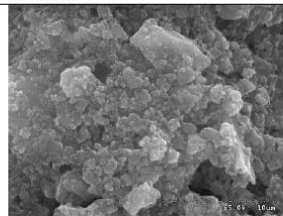
The special arrangement of its resins, pigments and fillers with its high quality, in oligodynamic combination with its latest generation active ingredients, and innovative nano compounds, are providing a film of paint with high resistance to surface alkalinity, and also a high inhibiting resistance to bacteria DIN EN ISO 22196:2011 (E.Coli, Listeria monocytogenes, Bacillus Subtilis Pseudomonas Aeruginosa, Staphylococcus aureus...), particularly at standard indoors situations.



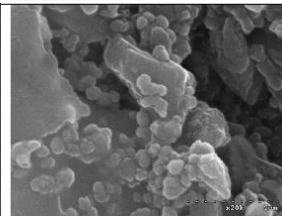
500X



5000X



20000X



Scanning electron microscope photography of a Disperlith Hygienic paint film.

## ECOLABEL CERTIFICATION IN PROCESS

DISPERLITH HYGIENIC with Registry ES-CAT/044/0001, was certified as ecologic under EU EcoLabel, according to the most recent European Commission Decision for ecolabel paints 2014/312/EU. Further information on how this product has been awarded with eco-label, please refer to the following address:

<http://ec.europa.eu/environment/ecolabel>



## FIELDS OF USE

Recommended as a finish, particularly for interior walls and ceilings, new or in renovation process, in many dry consistent common indoor undergrounds, kips, painted walls, texturglass...)

Particularly recommended where an ecological high performance paint with high resistance prevention technology bacteria is required, or where the short-term growth of harmful microorganisms and bacteria suppose a health risk, such as dry facilities or common areas in the food industry or in the Health sector such as clinics, hospitals, operating rooms, also in schools, kindergartens, public and private buildings, and generally in places where the environment and human health are a constant concern.

## LIMITED USE FOOD INDUSTRY

The special version DISPERLITH INDUSTRY is the Disperlith paint version most used at Food Industry, due its higher general resistance specially at production



areas and stress situations, but exist some cases where the use of Disperlith Hygienic could be useful, a paint that is also apt for painting premises in which food is manufactured or processed, since Fakolith meets voluntarily with the European Union Regulations 1935/2004/EC, traceability and GLP good manufacturing practice referred to 2023/2006/EC, and the paint also contributes positively to the fulfilment of regulation 852/2004/EC and others private regulations of food quality like the IFS, BRC, etc.

Fakolith Chemical Systems has developed its APPCC and Sanitary Registration for Food Industries and Products RSIPAC in vigour 39.05377/CAT, as well as the General Sanitary Registration for Food and Foodstuff Companies RGSEAA in vigour ES-39.005259/T, in collaboration with CNTA (National Centre for Technology and Food Safe), an associate entity and partner in Official Projects of the R+D+i related with paints of high technological value for the food industry and the sanitary sector.

On the other hand, DISPERLITH Hygienic is not apt for direct contact with foodstuffs and beverages. For such cases, use the special foodgrade paints i FK-45 ore Disperlith FoodGrade which also meets with European regulations for global and specific EU migrations EU 10/2011 and/or RD 847/2011.

#### HOW TO APPLY

By means of brush, roller, spray-gun or airless. Clean tools immediately after use with water. Water is a limited resource, use it sparingly. In general terms we recommend the following basic procedures:

- On new, clean and consistent undergrounds, or painted but in good conditions: Apply one coat of primer Disperlith Primer. After drying apply 2 coats of Disperlith Hygienic at minimum intervals of 2-3 hours between coats (60% relative humidity and 20°C).
- Undergrounds affected by moisture, microorganism infections or inconsistent ones: mechanically Remove dead plaster and gypsum, damaged or inconsistent undergrounds, or paints with bad adhesion (macs Strippers). Always clean with FK-12 and repair the base with the plaster FK-13 and / or the elite mortar systems. Allow drying and cure properly, before priming and painting as in the case described above.
- On a consistent basis with humidity or where moisture has been not removed with the above procedure, use the special paints for high humidity situations Disperlith Industry, as applicable.

**NOTE:** Refer to the technical and safety specifications of additional products aforementioned, before applying. Before going ahead with treatment you must first determine the level of surface and ambient damp/humidity and where it is coming from, by using electronic humidity meters, which will determine the ambient conditions and the absence of filtrations, also for work below the water table or where water pressure is excessive, given that should such be the case we may well recommend a different kind of treatment. Particularly in the food industry, where renovation work generally has to be done in a short period of time, and in severe conditions, make sure you programme the application well and consult our technical assessment service.

#### BINDER

Vinyl acetate and ethylene modified copolymer 100%.

#### VOC CONTENT

Category: a (BA)  
Maximum 30 g/l VOC (Directive 2004/42/CE). Maximum 10 g/L VOC (EcoLabel).  
The product contains less than 0,09 g/L VOC, and 3,25g/L. SVOC content.

#### PIGMENTATION

Titanium dioxide- Rutile (Chloride process).

#### DENSITY

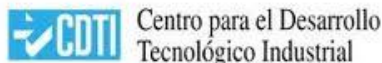
Density (23°C ± 0,5): 1,38 ± 0,02 g/cm<sup>3</sup>

#### VISCOSITY

Viscosity (ASTM 2, a 23°C ± 0,5): 1500 mPa•s. ± 250

<b>SÓLIDS CONTENT</b>	50% ± 2%
<b>BRILLIANCE</b>	Matt-silk.
<b>P.V.C.</b>	65% (Pigment Volumetric Concentration)
<b>SERIES COLOURS</b>	White and other NCS colours up to medium intensity, subject to minimum order requirements.
<b>BLENDED COLOURS</b>	With Mixol tinting paste, up to at most 3%.
<b>MÍNIMUM CONSUPTION</b>	It is recommended not less than 200-250 ml/m <sup>2</sup> , depending on the kind and state of the base, applied in two coats.
<b>SOLUCIÓN</b>	DISPERLITH HYGIENIC is a water-based product, supplied ready for use, although the first coat may be diluted with up to 5% potable water.
<b>DRYNG TIME</b>	<p>Generally, each coat needs 2 to 3 hours (+20°C and at 60% relative humidity). The ambient temperature and level of humidity will determine final drying time. As soon as the degree of brilliance appears as matt the second coat may be applied.</p> <p>-Open Time (125 µm) a 20°C, 30%<sub>HR</sub> = 25min                      -Open Time (125 µm) a 10°C, 65%<sub>HR</sub> = 45min</p>
<b>APPLICATION TEMP.</b>	Generally, 5-10°C or above (50% relative humidity), both for the surface to be painted and the ambient temperature (T <sub>G</sub> = 10,5°C – MMFT 0°C).
<b>COMPATIBILITY</b>	Do not mix with other paints.
<b>STORAGE</b>	24 months in a closed container, in a cool place at a temperature no lower than 5°C and no higher than 30°C.
<b>CONTAINER</b>	Plastic cans of 5 and 12.5 litres.
<b>DANGER</b>	Exclusive product for use by professionals. For correct handling always read the safety and usage data sheet and use the indicated IPE's.
<b>NOTE</b>	For correct product application it is necessary to take into account the state and preparation of the surface, which must always be clean, consolidated and with suitable levels of damp/humidity. To this end we also offer a wide range of cleaners, primers, waterproofing, consolidators, insulators, mortars, fillers, etc., you should need them to ensure that the surface base has been adequately prepared. In case of doubt consult our technical assessment service.
<b>RECYCLING</b>	<p>For a correct management of containers and waste generated following the use of this product, contact your local authorised waste disposal manager. Any unused paint should be treated by a specialist to ensure that elimination takes place with respect to the environment and, as a result, that it must not be disposed of with household garbage.</p> <p>European Waste Catalogue (EWC): code 080112 (waste paint and varnish other than those mentioned in 080111) and code 150102 (Plastic Containers) recycling containers be emptied.</p>
<b>OFFICIAL RESEARCH PROJECT</b>	Part of the new technology used at Biofilm Stop paints range, has been possible thanks to Fakolith private projects, along with innovations developed by Fakolith official under The official project of basic research with reference CEN-20091010 and acronym "TECNOCAI: Efficient and Intelligent Technology Oriented Health and Comfort in Indoor Environments" with overall budget of € 19,859,841.00 and FCS of € 684,140.00 has been Funded by CDTI within the CENIT-E program of the Spanish Ministry of Science and Innovation, and under the managing of Fakolith, in collaboration with the Physic-Chemical and Analytics departments of Madrid University – UNED. Also thanks to the developments doen by Fakolith at the official research Project APLICONS acronym " Antimicrobial paints, nanotechnology based" with record -2011- IPT 1499-900000 and whose total

budget was € 1,001,439.15 €, which was partially funded by the Ministry of Science and Innovation of Spain, within the sub INNPACTO, set in the National Plan for Scientific Research, Development and Technological Innovation 2008-2011 (BOE of March 31).



**LEGAL NOTICE:**

FAKOLITH CHEMICAL SYSTEMS, S.L.U. applies a quality system, certified by TÜV Rheinland Cert GmbH, DIN EN ISO 9001:2015 Standard.

FAKOLITH CHEMICAL SYSTEMS, S.L.U., company forming part of the FAKOLITH Group in Spain, manufactures imports and sells paints and special industrial treatments, in accordance with their corporate purpose, and any legal liability with regard to the application of these products will always be beyond our control. This technical information, along with recommendations associated with the application and final use of the product, are always provided in good faith, based on our knowledge and current experience, insofar as, within the useful life of the product, it has been correctly handled and applied in standard situations. In practice the possible differences in the supporting materials and actual conditions that may exist in the location of application are of such diversity that no guarantee can be deduced from either the information provided in the present document or from any other written recommendation, or whatsoever other advice that may be offered with regard to the sale or suitability for particular purposes thereof, or any obligation whatsoever, outside of any legal relationship that might exist, with the exception of defects in the quality of our materials that are a result of faulty production. The above information does not represent a reason why the purchaser and/or applier and/or final user should determine that our offer, technical recommendation or the quality and characteristics of our products do not meet their needs. Fakolith reserves the right to update the properties and specifications of the products for the purpose of improving our recommendations and adapting them to the current regulations. Any new edition of the present document, bearing a later date, will annul the validity of any previous version hereof.

FAKOLITH CHEMICAL SYSTEMS, S.L.U. has taken out a product liability insurance policy that provides international cover, except in the USA and Canada, of up to 3 million euros.