

# TECHNICAL DATA SHEET

## ULTRASATEN

### Technical Qualities

ULTRASATEN is a low environmental impact, acrylic enamel for walls, that comes in a gloss, matt or satin finish. The product is self-expanding, scratch resistant and resistant to abrasion. ULTRASATEN guarantees good coverage with low thickness, a high yield, great washability and excellent resistance to yellowing, to alkali (ammonia and sodium solutions) alcohol, chemical detergents and dirt retention. Easy to clean and wash, it is ideal for public premises such as schools, hospitals, offices etc. By mixing Ultrasaten with Bimax, it is possible to create plush decorative finishes with a grainy effect. It is a product of the highest quality and has been put through all the tests indicated by the UNI 11021:2002 regulations for "Products and systems for painting environments where there are food stuffs present". It has a low level of odour is, non-inflammable and friendly to both humans and the environment.

### Ideal Use

Interior walls to be decorated, especially when subject to abrasion or dirt. Base coat for decorative products.

### Surface Preparation

Clean the surface, removing any loose material. For crumbly or very absorbent substrates, apply the recommended acrylic fixative CRILUX or NEOFIX by OIKOS. Wait at least 6 hours before painting. In order to increase the coverage of the cycle use as primer IL PIGMENTATO by OIKOS. In the event that the decoration requires a perfectly smooth finish, screed over the surface first with STUCCO IN PASTA PER RASATURA (paste screed for walls) by OIKOS

### Application Method

Apply two coats of ULTRASATEN diluted 20 ÷ 25% with drinkable water, leaving 4 ÷ 6 hours between each coat. ULTRASATEN can be applied by roller, brush or spray gun. It is a self-expanding product that does not leave signs of roller or brush strokes.

By adding one litre of Bimax 03 base TR to four litres of Ultrasaten (Gloss, Satin or Matt), it is possible to obtain a mix with which very particular decorative effects can be created:

**Sabbiato Effect:** on a smooth surface apply by brush, in an irregular manner, one coat of the ULTRASATEN/Bimax mix, diluted 20-25% with water. After a few minutes, pass back over the surface with the brush free of product, in order to highlight and bring out further the effect. If the coverage is not sufficient, after 4 – 6 hours a second coat can be applied. The yield varies according to the quantity of product applied. Yield 9-10mq/lt

For this finish it is also possible to obtain the Stellato effect by adding two pots of the additive Decorglitter for every litre of the mix that is created.

**Le Trame Effect:** on a smooth surface apply one coat of Fondo Murales. After drying, using a brush, apply one coat of the ULTRASATEN/Bimax mix diluted 15% with water, taking care to pass over the product for the last time in a horizontal direction, immediately work over the surface by dragging the Tool for Corduroy effect (art. 133) in the same direction. In order to eliminate eventual imperfections caused by accumulations of product, before the product is dry, pass back over the surface with the Spatola Dentata (art.A01). Once dry, repeat the operation, always applying the product in a horizontal

Technical Data Sheet INT/us/03/en

sense but working over the surface with the Tool for Corduroy effect in a vertical sense and using the Spatola dentata to remove eventual imperfections. It is essential to regularly clean excess product from the Tool for Corduroy effect in order to avoid the formation of lumps. Yield 4-5mq/lit.

For this finish it is possible to obtain the Stellato effect by adding one pot of the additive Decorglitter to every litre of the mix generated.

These effects can also be used as the base for the application of other Oikos decorative products thus further enlarging the range of decorative finishes that can be achieved. In these instances it is best to mix Biamax into the MATT version of ULTRASATEN

## Finishes

MULTIDECOR, VELDECOR by OIKOS

## Technical Characteristics: Application

Dilution:	20-25% with drinkable water, Le Trame 15%.
Yield:	9-11 m <sup>2</sup> /l in two coats. Le Trame 4 ÷ 5 m <sup>2</sup> /l, Sabbiato 9 ÷ 10 m <sup>2</sup> /l
Application tools:	Brush, roller or spray gun (1.7 mm nozzle) Tool for Corduroy effect
Primers:	CRILUX, NEOFIX, IL PIGMENTATO by OIKOS
Application temperature:	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time tack free:	1 ÷ 1.5 hours (temperature =20°C with relative humidity less than 75%)
Drying time fully cured:	4 days (temperature = 20°C with relative humidity less than 75%)
Tools cleaning:	Water

## Technical Characteristics: Product

Composition:	Acrylic resins in water dispersion, organic and inorganic pigments, additives aimed at helping application and film formation.
Specific weight:	Gloss: 1.24Kg/l; Satin: 1.3 Kg/l; Matt 1.37 Kg/l (white)
pH:	8-9.5
Viscosity:	10,000-20,000 +/-5% CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature:	+2°C ÷ +36°C. Keep from freezing

## Technical Data Sheet INT/us/03/en

Reaction to fire:	Negative when the product is applied onto a non inflammable surface: water based material with dry thickness of less than 0,600 mm.
Water vapour permeability (Sd).	Gloss: 1.9 m; Satin: 1.7 m. Matt: 1.2 m (max allowed limit 2 m DIN 52 615)
Resistance to wash:	Class 1 (UNI EN ISO 11998:2006) Conforms to the norm DIN 53 778, resistant to at least 1,000 abrasive cycles.)
Resistance to abrasion:	Conforms to the norm DIN 53 778, resistant to more than 5,000 abrasive cycles, in this case over 60,000 hits of brush.
Resistance to clearing:	Conforms to the norm DIN 53 778, cleaning of impurities and dirt with less than 800 abrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	Classification: <b>Satin/Matt</b> A/a; VOC: 28g/l (max); Limit Phase I (from 01/01/2007): 75g/l, Limit Phase II (from 01/01/ 2010): 30g/l Classification: <b>Gloss:</b> A/b; VOC: 80g/l (max) Limit Phase I (from 01/01/2007); 150g/l Limit Phase II (from 01/01/2010); 100 g/l
Colours:	White + Colours Chart
Packaging:	1 - 2.5 - 4 - 10 - 14 l.

## Toxicological Data

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non-dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements.

## Specifications

Clean the surface, removing any loose material. For crumbly or very absorbent substrates, apply an acrylic fixative as CRILUX or NEOFIX by OIKOS. In order to increase the coverage of the cycle use as primer IL PIGMENTATO by OIKOS. Wait at least 6 hours before painting. Apply then two coats of an acrylic, protective, washable, self-dilating and water-repellent paint like ULTRASATEN by OIKOS, conforming to DIN 53 778.

To obtain the decorative Sabbiato and Le Trame effects, mix the products 4+1 with Bimax 03 and apply the product according to the specific decorative technique required.

All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup>. inclusive of materials and labour.

*The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.*

**INTERIOR**

Technical Data Sheet INT/us/03/en

*Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.*