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## TECHNICAL DATA SHEET

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**PRODUCT NAME & CODE: GEOCRIL 4451/MSxx****DESCRIPTION: ACRYLIC WATERBASE 2K TOPCOAT****COLOUR: CLEAR****NATURE AND FIELD OF USE**

**GEOACRIL** is a two-component polyacrylic water based clear finish designed for painting furnishing elements, such as cabinets, doors, tables, shelves and in general wooden products for interiors that require excellent chemical-physical and non-yellowing resistance.

**PREPARATION OF PRODUCT**

CATALYST RATIO	BY VOLUME	BY WEIGHT	CATALYST
100% of Part A	10%	10%	4350/A699

**DILUTION:**

10 to 20% (on Part 'A') for spray applications (gravity cup gun and air-mix).

**POT-LIFE:**

With 4350/A699 and dilution of 20%, pot-life &gt;2 hours at a temperature of 20°C/68°F and RH of 60-70%.

**AVAILABLE GLOSSES (± 2):**

4451/MS10 – 10 gloss      4451/MS20 – 20 gloss      4451/MS30 – 30 gloss

**TECHNICAL CHARACTERISTICS:****PHYSICAL CHARACTERISTICS:**

	Part A only	Catalyzed	Tolerance	U.O.M.	Method
Specific Weight (20°C/68°F)	1.027	1,032	± 0,025	Kg/l	ME14
Specific Weight (20°C/68°F)	8,576	8,618	± 0,100	lb/USgal	ME14
Viscosity DIN6 (20°C/68°F)	50		± 5	Sec	ME16
Weight solids	35	38.4	± 1	kg/kg	ME15
Volume / weight solids	32	34,8	± 1	l/kg	ME15
Volume solids	32.8	35,9	± 1	l/l	ME15
VOC	5		± 1	%	
VOC	51		± 10	g/l	
VOC	.41		± 0,1	lb/USgal	
Flash Point	<60 C/140 F				ME12

**THEORETICAL YIELD (Dry film thickness, A+B)**

30 micron	11,6	m <sup>2</sup> /kg	ME82
1 mil	606	Sqft/USgal	ME82

## DRY TIMES:

Dust free	20 – 30	Minutes	ME81
Dry to touch	50 – 60	Minutes	ME81
Thoroughly dry	12- 16	Hours	ME81
Time between coats (without sanding)	60 – 120	Minutes	ME81
Time between coats (with sanding)	➤ 12	Hours	ME81

## DRY FILM (Characteristics)

Excellent hardness and surface resistance.

## SUBSTRATE TYPES AND PREPARATION

**GEOACRIL 2K 4451 / MSxx** being a finished product, it must be applied on substrates previously treated with suitable well sanded and dusted sealers, such as GEOACRIL 4453/2140 or GEOFOND 0582/0000. Proceed with a finishing coat, applying a quantity between 80 and 100 gr / m2 and wait for the drying times.

## APPLICATION PROCEDURE:

Spray: Gravity cup gun, airless or airmix. Ambient humidity between 40 and 70%.

## SUBSEQUENT TREATMENT

Once dried, the product does not require further subsequent treatments.

## ADDITIONAL INFORMATION

THE CATALYST MUST BE ADDED SLOWLY AND UNDER GOOD AGITATION. WE RECOMMEND MECHANICAL AGITATION FOR A FEW MINUTES.

Always shake the products well before use.

After use, it is advisable to always close the package carefully.

In case of decanting, use only containers made of suitable material, such as polyethylene and stainless steel. For best aesthetic results, prepare the substrate paying attention to sanding.

At the end of processing, wash the tools used thoroughly with water.

The final result of the painting cycle is the sole responsibility of the user, who must ensure that the product corresponds to their needs.

Our company, unable to ensure control of the painting process carried out by the user, cannot therefore take on any responsibility for the final result achieved through the use of its products.

Our company, on the other hand, guarantees the constancy of the chemical-physical characteristics of the product indicated in this Technical Data Sheet.

## STORAGE AND SHELF LIFE

Attention, the product must be stored in its original containers, away from heat sources, at temperatures between + 5 ° C (+ 41 ° F) and + 35 ° C (+ 95 ° F). The product kept in the aforementioned conditions has a stability of 24 months from the date of production.

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The indications of this newsletter are the result of numerous experiments and should be considered as excellent orientation indicators. However, the methods of application and processing systems are very varied, therefore no guarantee can be assumed for each individual case. This updated version cancels and replaces previous editions.