MEDIFLEX

CODE: 315001 REVISION : 03 DATE: August 2025

GENERAL DESCRIPTION

Single pack, self-priming waterborne polyurethane based emulsion that protects against microbial and bacterial growth.

USES AND PROPERTIES

Mediflex is designed with specific hygiene functionality. The in-film preservative is designed to remain permanently locked in and active ensuring no growth of surface micro-organisms. It protects against the growth of micro-organisms such as mould, fungi, yeasts and bacteria on its surface. Its antimicrobial system does not leach out, unlike those of traditional fungicidal paints, and it therefore remains safe and active throughout the life of the product.
The specific features of this product can be summarised as – fast dry – glossy – hard with rapid physical properties development. Polyurethane toughness coupled with unusually high retention of film integrity plays a key role in ensuring longevity of performance. Due to rapid drying, recoatability and exceptionally fast strength development, the coating will enable rapid re-use of the building or utility when used as a new build or maintenance coating. **Mediflex** is designed to give the best balance currently available of gloss with high build, plus flow to ensure surface defects from application equipment are minimised.
Mediflex is ideal for use in hospitals; food storage and processing; kitchens; breweries; dairies; educational establishments, general industrial and agricultural; marine; laboratories; offices; corridors and general institution use.

TECHNICAL DATA

Binder Type		:	Pure Acrylic
Drying Time	Surface Dry	:	<1 hour (at 23°C and 50% humidity)
	Hard Dry	:	<4 hours (at 23°C and 50% humidity)
Drying Process		:	Water evaporation followed by coalescence
Overcoating		:	4 hours
Viscosity		:	110 - 120KU
Specific Gravity		:	1,20 ±0,05kg/litre
Mass Non-Volatile Content		:	50% ±3%
Volume Solids		:	39% ±3%
Gloss		:	Gloss
Coverage		:	8m²/litre
Dry Film Thickness		:	49 microns @ 8m²/litre
Clean Equipment With		:	Water
Colour Range		:	White, Pastel
Pack Sizes		:	5 litre, 20 litre

Technical data based on **Mediflex** White, code 315001.

Coverage/spreading rate of **Mediflex** depends largely on the condition and porosity of the substrate being painted and manner in which the product is applied.

Technical Data Sheet

MEDIFLEX

APPLICATION

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from Dekro Paints or can be downloaded from our website –www.dekro.co.za.
Do not apply when ambient temperatures are <4°C or >40°C.
After correct surface preparation stir thoroughly and apply a minimum of 2 coats of **Mediflex** by brush, roller or spray at the specified spread rate. Allow to dry between coats as per technical data.

SAFETY INSTRUCTIONS

Always keep out of reach of children and animals.
Wear a suitable dust mask and goggles when preparing surfaces.
Ensure good ventilation during application and drying.
If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner.
If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.
Harmful if swallowed. Seek medical attention and do not induce vomiting.

GENERAL

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.
It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

PREVENTING PROBLEMS AND GENERAL INFORMATION

IMPORTANT: Walls (cement plaster, concrete or masonry) must be dry before painting and should not exceed a moisture content of 10% as measured with a Protimeter Surveymaster Moisture Meter or equal.
The ambient temperature must be between 4ºC and 40ºC and humidity between 10% and 85%.
Excessive application thickness and/or rapid drying could lead to mud cracking.
Avoid applying under adverse weather conditions as this could result in poor product performance.
Work from corner to corner, or from a natural cut off point to another.
Do not attempt touch ups, but redo complete panels.
Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture.
To ensure consistent appearance ensure that the batch numbers on all containers used are the same. Where batch numbers on containers differ, intermix containers before use.

CLEANING, STORAGE AND DISPOSAL

Remove as much paint as possible from application equipment and wash immediately after use with water.
Close containers tightly after use and store in a cool well-ventilated area.
Do not empty contents or wash water into drains or water courses.
When disposing please follow local authorities' regulations and recycle the container after use.
Do not store in sunlight or direct heat.

Technical Data Sheet

APPLICATIONS FOR AFRICA™

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The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.