Polycolor
Changez de vie ...

TECHNICAL DATASHEET

THERMOFLEX (THERMAL INSULATION)

Polycolor Thermoflex is a top-quality certified acrylic, special heat-insulation paint for external walls and roofs. It contains special thermos-ceramic nanospheres and in the composition which gives it thermal insulating properties. It contributes in saving energy in winter and summer and it **helps to reduce up to 5ºC temperature in the room**. It creates a waterproof and flexible membrane, extremely resistant to external conditions.

PRODUCT BENEFITS

- **Waterproofing**: Resists positive hydrostatic pressure of up to 10 bars.
- **Versatile:** provide thermal insulation with waterproofing.
- **Crack-bridging**: Effectively bridges cracks up to 2.5 mm
- **Surface Temperature Reduction**: Provides surface temperature reduction up to 10°C
- **Special Additive**: Reinforced with fibers to improve mechanical properties and abrasion resistance.
- **Adhesion**: Excellent adhesion to substrates like concrete and masonry.
- **Durability**: Excellent resistance to water, UV rays and ageing.
- **Anti-fungal and Anti-algal**: Excellent anti-fungal and anti-algal properties.
- **Excellent Anti-Carbonation**: Acts as an effective barrier against carbon dioxide thus prolonging the life of the structure

PRODUCT FEATURES & TECHNICAL INFORMATION

Surface	For Exterior use only
Available Pack	1 L, 5L, and 20L
Shelf life	2 years from date of manufacture in original tightly closed containers. Keep away from direct sunlight and excessive heat.
Available Color	White and light shades upon request.
Coverage	Up to 10 m^2/L/coat
Drying time to touch	30 Minutes @ 25°C / Fast drying technology
Volume Solid	55 – 60%
Water Resistance	10

SURFACE PREPARATION

Surface preparation for new concrete substrate:

New surfaces: New masonry surfaces must be allowed to cure completely. It is recommended to allow 28 days as the curing time for new masonry surfaces. Surface must be thoroughly cleaned, free of dust & grease and washed well with water. Treat any areas affected by algae, moss or fungal growth with **Polycolor Fungicidal Wash & Treatment**. If cracks of up to 3mm is present, it shall be treated with **Polycolor Waterproofing Crack Filler.**

Surface Preparation for Old/Repainted Substrate:

Existing substrates must be cleaned to remove all dirt, mildew and other contaminants. Treat any areas affected by algae, moss or fungal growth with **Polycolor Fungicidal Wash & Treatment**. This is

accomplished by pressure-cleaning equipment with a minimum capability of 100-140 bar water pressure. All grease; oils and asphalt materials must be removed completely. Also, remove any other old film on the surface.

Surface Preparation for metal / iron/galvanized Sheets Substrate:

Non-porous Substrate such as galvanized iron shall be cleaned and free from grease, oils and any other foreign particles. Apply 1 coat of **Polycolor Water-based Metal Primer/Chlorinated Zinc Phosphate Primer or Galva Primer** depending on client request and apply 2coat of **Thermoflex** with 10 % dilution.

APPLICATION	
Tools	Brush, Roller & Airless Spray
Dilution	Brush & Roller: 1st Coat – 10% : 2nd coat – 0%
	Airless Spray: both coat: 20 – 30%
Diluent & Cleaning	Water

POST PAINTING /DURING PAINTING CARE

- For the best performance of the paint, ensure proper washing and cleaning of all algal and fungal growth, if any, at regular intervals of six months.
- Do not apply at temperatures below 6°C and above 40°C and at relative humidity above 80%. Adverse conditions in the application can alter the final properties of product.

PRECAUTIONS

- For the best performance of the paint, at regular intervals of six months a proper washing and cleaning of all algae and fungal growth must be carried out, if any.

SAFETY FEATURES

- Store the container with the tightly closed lid in an upright position, in a cool dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In an event of spill, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.