

Procoat Thermodry

High-Quality Emulsion Decorative Thermal Insulating Paint

Description	Procoat Thermodry is a top-quality exterior & interior thermal insulating emulsion paint based on acrylic resin with high hiding power; It contains a Nano-micro-sized thermal insulating technology that blocks heat transfer, reflects thermal radiation and creates a moisture barrier. Procoat Thermodry has been designed to give high-quality protective and decorative effects and to be applied directly on most building materials for new or old maintenance applications. It complies with ASTM D412,471,5441, EN12667
Where to use	• For high-quality indoor and outdoor applications. • Can be painted over plaster, fair-faced concrete rigid PVC, wood, and metals (with the suitable primer) • Old compatible paint and many other services excellent for indoor and outdoor applications necessitating wet abrasion (high wash ability stance) • It can be applied below top coat wallpapers (for walls)
Advantages	• Gives a Matt flat finish. • High covering power and opacity. • Excellent wet abrasion (wash ability) resistance. • Exceptional resistance to extreme weather conditions (humidity, rain, hot, temperatures, seashores conditions, UV rays, and pollution) High resistance to cracking, peeling, and chalking. • No yellowing white • Easy to use, Nonflammable environmentally friendly & low odor. • Will not support fungal & bacterial growth. • Conserves energy (4 times less than regular paints). • Reflects 69% of IR radiation
Properties	
Density	1.40 Kg/L
Thermal reflectance	69 %
Dry to touch	5 – 6 hours @ 23 °C
Tensile strength	1.9 N/mm ²
Elongation	9.7 %
Fully Dry	24 Hours
Thermal conductivity	0.036 W/m.c
Volume solids %	60 %
Adhesion to concrete	1-2 N/mm ²
Water Absorption	2 %
Surface Preparation	The Surface must be clean, and free from oil, grease, dirt, chalk, loose paint and other foreign materials.
Mixing	Mix Procoat Thermodry thoroughly to a uniform consistency before use

Application	• Apply one coat (or more) of Prosealer A according to the surface porosity. • Apply an acrylic putty to smoothen the surface and fill the voids and gaps with Brefex followed by sanding. • Brush, roller, or airless spray gun does application. • Apply min. 2 coats • Application temperature +10/+30 °C. • Initial curing is 5 - 6 hours. • Recoating time 3 - 4 hours.
Theoretical coverage	0.15 – 0.2 Kg/m ² at 65 - 85 Micron D.F.T 0.4 – 0.5 Kg/m ² when reinforced with 60 gr Kemfelt / coat 2 coats are always recommended
Packaging	20 Kg Pails
Shelf life & Storage	12 months in original tightly closed containers away from sunlight and excessive heat.
Health and Safety	• Use gloves to avoid contact with skins. • If skin comes in contact, wash immediately with soap and water. • Do not use solvents. • Eye contamination must be immediately washed with water, then seek medical treatment. • Working areas should be well-ventilated.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.