

LUJA Extremely Durable

DATA SHEET

01/01/2004

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DESCRIPTION

High performance, extremely durable semi-gloss or semi-matt, low-odour, mould resistant waterborne acrylate latex finishing paint for use on interior walls and ceilings. Particularly suitable for humid rooms and areas which require frequent washing down with strong detergents and disinfectants.

EXAMPLES OF USE

Plaster, concrete, brick, building block and boards, MDF, etc. Luja can also be used on primed wood, metal, and for repainting interior surfaces previously coated with waterborne, alkyd or acid-catalysed paints.

TECHNICAL DATA

Solids volume: approx. 36%
Density: approx. 1,2 kg/l
Scrub resistance: > 10 000 cycles (DIN 53778)
Chemical resistance: Good (ISO 2812-1)
Heat resistance: 70°C (ISO 3248)
Base paints: A and C
Classification of Finishing Materials: M1

Colour Range

Available in white and the complete Tikkurila Professional Colour Collection, plus most of the British Standard, RAL and NCS Colour Ranges.

Fire Resistance

Tested in accordance with the methods specified in BS 476:Part 6:1989 "Method of Test for Fire Propagation of Products" and BS 476:Part 7:1987 "Surface Spread of Flame Tests for Materials". Luja Finishing Paint is non-combustible and will give Class O rating on non-combustible substrates as defined in approved document B to the Building Regulations 1991.

SPECIFICATIONS

Preparation

Surfaces must be clean, dry, and free from grease, dirt, oil, wax, rust, all loose material and surface contamination. Use recommended Tikkurila products as cleaning agents and for mould removal. Use recommended Tikkurila fillers for filling cracks, nail holes, blemishes, etc., and leveling of uneven surfaces. Ensure that existing glossy, gloss painted and filled surfaces are thoroughly flatted down. Ensure that all surfaces are thoroughly prepared.

Priming

Prime unpainted wall and ceiling surfaces overall and spot prime all bare areas on previously painted walls and ceilings with Luja Universal Primer. Prime all bare wood with Unica Adhesion Primer or Otex and bare metal surfaces with Unica Metal Primer or Rostex Super. In areas of high humidity walls and ceilings should be primed with Luja Moisture Stop prior to the application of Luja Universal Primer and Luja.

APPLICATION

Methods: brush, roller or spray application.
For airless spray: use a 0,015"-0,021" spray tip.
Thinning: if necessary thin by up to 5% with water.

Painting Conditions

All surfaces must be dry, the temperature of the air at least +5°C, and the relative humidity of the air below 80%.

Painting

Stir the paint thoroughly and apply two coats of Luja overall.

Coverage

7-10 m²/l per coat. Wet-film thickness approximately 100-200 µm per coat, dry-film approximately 50-80 µm per coat. The above should be used as a guide, as actual spreading rates will depend upon many factors including texture, porosity and moisture content of the substrate.

Drying Times

At 23°C and 50% relative humidity of the air: normally touch-dry in 2 hours and recoatable after 4 hours. Final hardness will be achieved after 2-3 days. Low temperature and high humidity will make drying times longer.

Cleaning of Tools

Clean with water immediately after use.

PREVENT ENVIRONMENTAL DAMAGE

Empty cans should be recycled or disposed of in accordance with local regulations. Liquid waste should be destroyed according to the local regulations for hazardous waste.

HEALTH AND SAFETY CLASSIFICATION according to EC Directive 99/45/EC

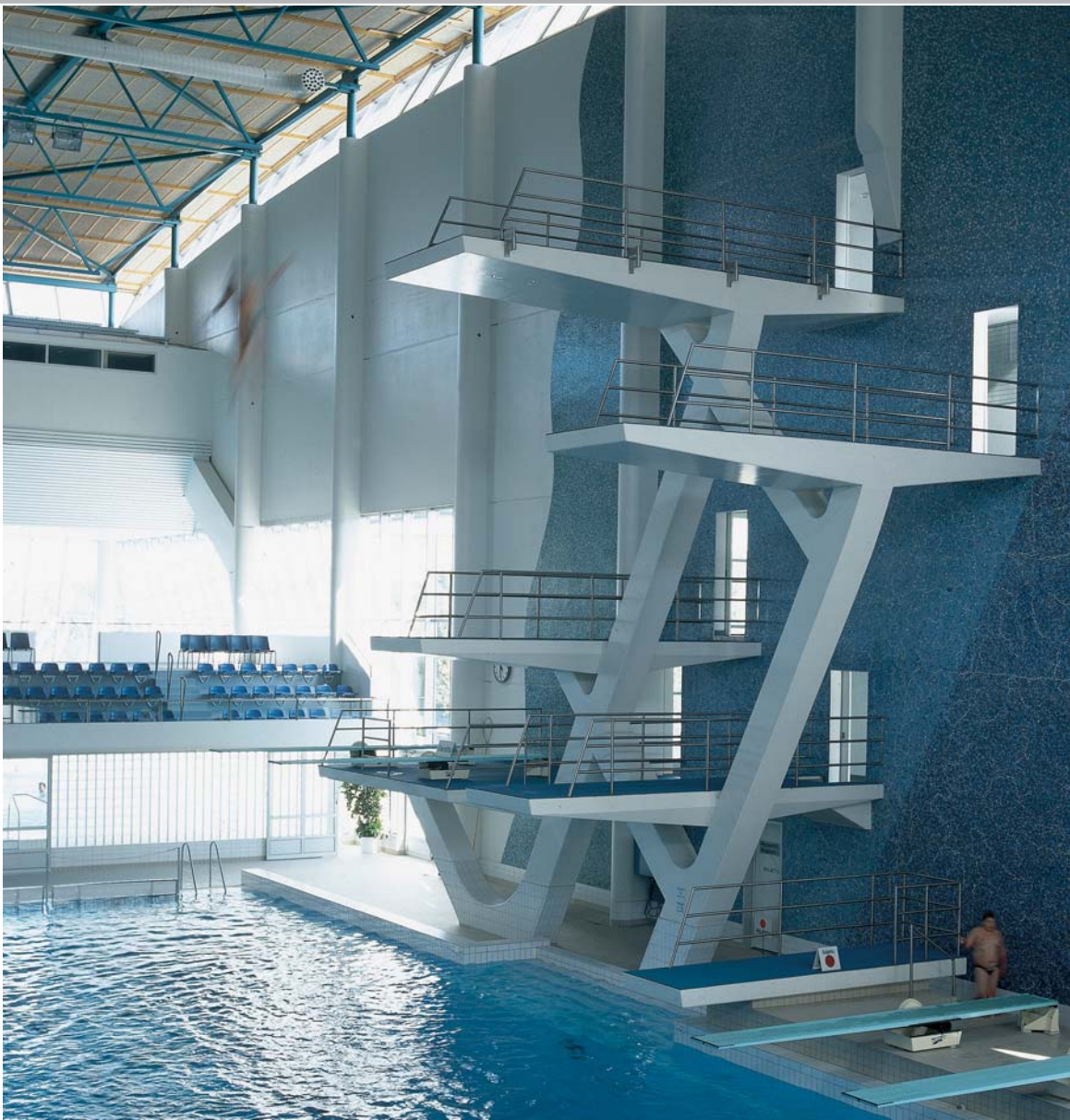
Not classified as hazardous to health. Handle with care, avoid prolonged contact with skin and breathing of spray mist. A material safety data sheet is available on request.

TRANSPORT

ADR/RID-. Protect from frost.

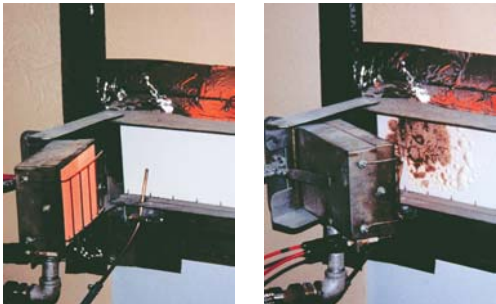
The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

Manufacturer: TIKKURILA PAINTS OY, PO Box 53, 01301 Vantaa, Finland.



LUJA RESISTS MOULD GROWTH AND BACTERIA

Moisture and humidity present constant problems in all kinds of buildings throughout the world and usually these conditions are ideal breeding grounds for mould, algae and bacteria which create a very unhygienic environment. Luja has been proven to give extremely good resistance to mould growth and bacteria both in the laboratory and in practice.



FIRE RESISTANCE

Luja is non-combustible and will give Class O rating on non-combustible substrates as defined in Approved Document B to the Building Regulations 1991. Fire reports are available on request.



APPROVED FOR USE IN FOODSTUFF INDUSTRY

Luja is particularly suitable for use on walls and ceilings in food processing areas providing that foodstuffs do not come into direct contact with the painted surfaces. Raw materials of the dry paint film are approved for use in foodstuff industry.



LUJA FULFILLS STRINGENT EMISSION REQUIREMENTS

The Finnish M1 Classification is assigned to emission tested materials whose emissions fulfill stringent TVOC, ammonia, formaldehyde and carcinogenic compound emission requirements.