



**Long-lasting
Paints
and Coatings
for Cowsheds**

TIKKURILA

*Coatings also make the modern cowshed lighter and more colourful, for humans and animals alike.
Rantala Dairy Farm, Kaustinen, Finland*



Long-lasting Paints and Coatings for Cowsheds

The paramount aims in painting agricultural production facilities are durability, hygiene and ease of maintenance. The choice of coatings must also take into account the health and safety of the people working there and the wellbeing of the livestock.

Coatings in agricultural buildings need to withstand not only mechanical wear from machinery and livestock, but also constant washing down, temperature fluctuations and chemical attack. Floors need to be comfortable and slip-resistant for both people and animals. Coated floors also need to be easy to clean.

For the coating of cowsheds and other agricultural facilities, Tikkurila Coatings recommends the same materials which have been thoroughly tested and approved for use in the food processing industry, in areas such as dairies, meat processing plants and bakeries.

The use of high quality, long-lasting coating systems adds only a small fraction to the cost of new buildings or renovated facilities. The coating systems quickly recoup this small initial cost by reducing expenditure on maintenance and repair.

All the coatings recommended in this brochure have been approved for use to food industry standards.



*It is easy to take care of calves in clean, tidy stalls. Temafloor gives an anti-slip finish, even for hooves.
Rantala Dairy Farm,
Kaustinen, Finland*

Using the correct coatings makes all surfaces in the dairy room hygienic and easy to clean.

Kannus Agricultural College,
Kannus, Finland



Hygiene is essential at the milking station, the first stage of the milk production process.
Kannus Agricultural College,
Kannus, Finland

Coating Concrete Structures

All surfaces should be clean and dry prior to coating.

For best results, the humidity should be less than 80 % and the ambient temperature +10 °C or above. All surfaces should be thoroughly cleaned, removing laitence and old coatings by sanding, grinding or similar, followed by vacuum cleaning to remove dust. The surface should then be primed with thinned paint or clear sealer before applying further coatings.

Detailed application instructions, product data sheets and technical advice are available from Tikkurila Coatings.



The coating on the feeding platform withstands mechanical wear, chemical attack and frequent washing.
Kuorikoski Dairy Farm,
Kaustinen, Finland

Ceilings and walls

Primer	Temacoat GPL epoxy paint, approx. 20 % thinned
Thinner	Thinner 1031
Filling gaps and holes	Colofill epoxy filler
Topcoat	Temacoat GPL epoxy paint, 1 or 2 coats
Alternative water-borne paint system	
Primer	Fontecoat FL 100 epoxy paint, approx. 20 % thinned
Filling gaps and holes	Colofill epoxy filler
Topcoat	Fontecoat FL 100 epoxy paint, 1 or 2 coats

Concrete floors, feeding stands and gutters

Primer	Temafloor 200 epoxy lacquer, approx. 30 % thinned
Thinner	Thinner 1029
Coating	Temafloor 3000 self-leveller epoxy, 2 mm or Temafloor P 300 high build epoxy, 0.5 mm
	Roughening for floors in livestock areas
	Temafloor 4000 epoxy grinding screed, 4 mm

Steel structures subject to immersion or exposed to manure

Preparation	Blast clean to Sa 2 ^{1/2}
Painting	Temacoat RM 40 epoxy paint, 3 x 100 µm total 300 µm

Other steel structures inside and outdoors

Preparation	Blast clean to Sa 2 ^{1/2}
Primer	Temaprime EE special primer, 2 x 40 µm
Topcoat	Temalac AB 70 alkyd topcoat, 1 x 40 µm total 120 µm

Galvanized steel surface

Wash with	Zn-Cleaner detergent and rinse off
Primer	Temaprime EE special primer, 1 x 40 µm
Topcoat	Temalac AB 70 alkyd topcoat, 1 x 40 µm total 80 µm

Paints and Coatings for Cowsheds

Fontecoat FL 100

A two pack, water-borne epoxy paint, suitable for new and previously coated floors and walls, subject to moderate mechanical wear and chemical attack. Typical applications are floors in the food industry, areas such as warehouse and repair shop floors, and balconies. Colours as Temafloor colour card and TVT colours for A and CP base paints. MONICOLOR tinting.

Temacoat GPL

A two pack, amine-adduct cured, gloss epoxy topcoat. Primarily intended for use over epoxy systems in areas of high wear and chemical attack. Also suitable for use on concrete floors. Colours: RAL, NCS, SSG, BS and TVT colours. TEMASPEED tinting.

Temacoat RM 40

A two pack, resin-modified, semi-gloss epoxy coating. Suitable for use as a primer and a topcoat for steel, aluminium, zinc and concrete surfaces subject to mechanical wear and chemical attack, as well as for items buried in soil or immersed in water. Recommended for hall frames, tubular trestles, waste water tanks, pontoons, ship's bottoms. Colours: RAL, NCS, SSG, BS and TVT colours. TEMASPEED tinting.

Temafloor 200

A two pack, solvent free, clear epoxy sealer. Suitable for sealing new and old concrete floors prior to application of Temafloor materials. Can be used as a finish on its own, and as a filler when mixed with suitable aggregate. Colour: Clear.

Temafloor P 300

An easy to apply, two pack, solvent free epoxy coating, with good chemical and mechanical resistance. It is used for new and old concrete floors in industrial facilities, warehouses, workshops and corridors. Recommended film thickness is 0.3 – 0.5 mm. Colours as Temafloor colour card.

Temafloor 3000

A two pack, solvent free self-levelling epoxy. It uses the same resin system as Temafloor P 300 together with specially selected fine aggregates. Suitable for new and existing concrete floors subject to heavy wear and chemical attack, such as engineering workshops, warehouses and trucking aisles. Recommended film thickness is 1.5 – 4.0 mm. Colours as Temafloor colour card.

Temafloor 4000

A solvent free epoxy grinding screed which is suitable for new and old concrete floors subject to heavy mechanical wear and high point loading. Especially recommended for floors which are subject to steam and heat in the food-processing industry, and for other industrial floors. Recommended film thickness is 3.0 - 15.0 mm. The colour of the screed is determined by the colour of the tinted sand in use.

Temalac AB 70

An alkyd gloss topcoat, usually applied over alkyd primer and build coats on bridges, tank exteriors and similar. Spray and brush application. Colours: RAL, NCS, SSG, BS and TVT colours. TEMASPEED tinting.

Temaprime EE

A special, fast drying anticorrosive primer for steel, zinc and aluminium substrates. Spray application. Colours as TEMASPEED PRIMERS card.

Colofill

A two pack, solvent-free epoxy filler. Suitable for use on wood, steel, concrete, plaster, masonry and similar surfaces and for filling and levelling various holes, cracks and joints. Before application, prepare porous masonry surfaces with epoxy clear sealer or epoxy paint.



TIKKURILA
Coatings

Group Head Office:

Tikkurila Coatings Oy, P.O. Box 53, FIN-01301 Vantaa, FINLAND
Tel +358 9 857 741, fax +358 9 8577 6911
www.tikkurila.com