

Duasolid – high quality at a lower cost

Duasolid is a unique concept, designed to transform OEM (Original Equipment Manufacturer) painting operations. One coat of Duasolid can replace 2 or more coats of alkyd, epoxy or polyurethane, without loss of performance. This gives the OEM producer reduced application costs and lower solvent emissions.

Duasolid was originally developed during the 1970's as an environmentally and user friendly alternative to epoxy and polyurethane coatings. Now part of the Tikkurila Coatings range of modern protection technology, Duasolid can bring real benefits to the OEM painting operation.

reduced VOC's

Duasolid contains far less solvent than typical alkyd, epoxy and polyurethane coatings. Reducing solvent emissions from paint application is now a major factor in coating operations throughout the world. Increasingly tougher legislation in many countries continues to limit the amount of solvent which is allowed to be used in coating operations. Duasolid enables the operator to reduce solvent emissions by up to 50% and helps companies comply with stringent environmental legislation.



Ponsse Oy, Finland

A single, high build coat of Duasolid is now used by many major OEM manufacturers to replace their previous multicoat systems. This can result in savings in application costs of up to 25%. Duasolid cures at normal temperatures, but it can easily be force dried to enable immediate packing or despatch for further assembly. The dried surface is immediately hard and resistant to mechanical damage, giving further cost savings through reduced damage repair and speeding up production throughput.



Junkkari Oy, Finland

faster production

While saving money, Duasolid does not compromise protection and performance. Extensive laboratory and field testing has proved the effectiveness of Duasolid systems in providing excellent corrosion protection, both for interior and exterior service environments.

Experience for over 20 years has demonstrated the advantages of Duasolid systems. A wide variety of customers, including many major OEM manufacturers, today enjoy the benefits of using Duasolid coatings.



Metso Minerals Oy, Finland

resistant

environmentally acceptable

In addition to significantly reducing solvent emissions, Duasolid contains no isocyanates, which have been linked with health and environmental problems. Duasolid also contains no lead or zinc chromate pigment or other potentially toxic heavy metal compounds.



Junkkari Oy, Finland

wide application

Duasolid is used in a wide range of industries, including:

- Building and construction equipment
- Agricultural machinery
- Heavy transportation vehicles
- Electrical equipment
- Structural steel



Lännen Engineering Oy, Finland

DUASOLID HARDENERS

Hardener	Description of hardener	Product / Gloss*	Mixing ratio
008 7675 (55904)	The standard hardener	Duasolid 50 > 70	2:1 by volume
008 7666 (55907)	Faster drying and good adhesion to powder coated coatings	Duasolid 50 > 70	8:5 by volume
008 7665 (55911)	Flattening hardener	Duasolid 50 approx. 60	2:1 by volume
008 7667 (55917)	Flattening hardener	Duasolid 50 approx. 10	2:1 by volume
008 7670 (55924)	Higher solids content	Duasolid H 50 > 70	2:1 by volume
008 7672 (55939)	Flattening hardener	Duasolid 50 approx. 40	2:1 by volume

*These values are only for guidance (subject to film thickness, application method and drying conditions).

Widely Available

Duasolid can be supplied in almost any colour, with finishes from matt to high gloss. Tikkurila's Temaspeed colour system incorporates all the main colour matching systems, including Symphony, NCS, RAL, British Standards, SSG and many others. Any special shades can easily be matched using Tikkurila's sophisticated colour matching software – all that is needed is a colour sample to match to.

Convenient, professional service is available to Tikkurila customers and their subcontractors from the Temaspeed distributor network. With over 200 distributors in 20 European countries, supply and assistance is always close at hand.

For further details on Tikkurila Coatings systems for OEM Industries, please contact your nearest Tikkurila technical centre. Our experienced staff will be pleased to provide full information on our products, coating specifications and our track record for OEM applications.

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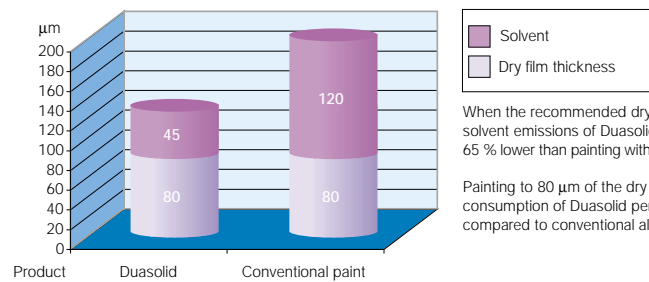


Duasolid
– A Paint Concept
for OEM Industries

TIKKURILA

TECHNOLOGY TO RELY ON

The comparison of solvent emissions



When the recommended dry film thickness is 80 µm, solvent emissions of Duasolid can be as much as 65 % lower than painting with conventional alkyd paints.

Painting to 80 µm of the dry film thickness the consumption of Duasolid per m² is nearly 40 % less compared to conventional alkyd paints.