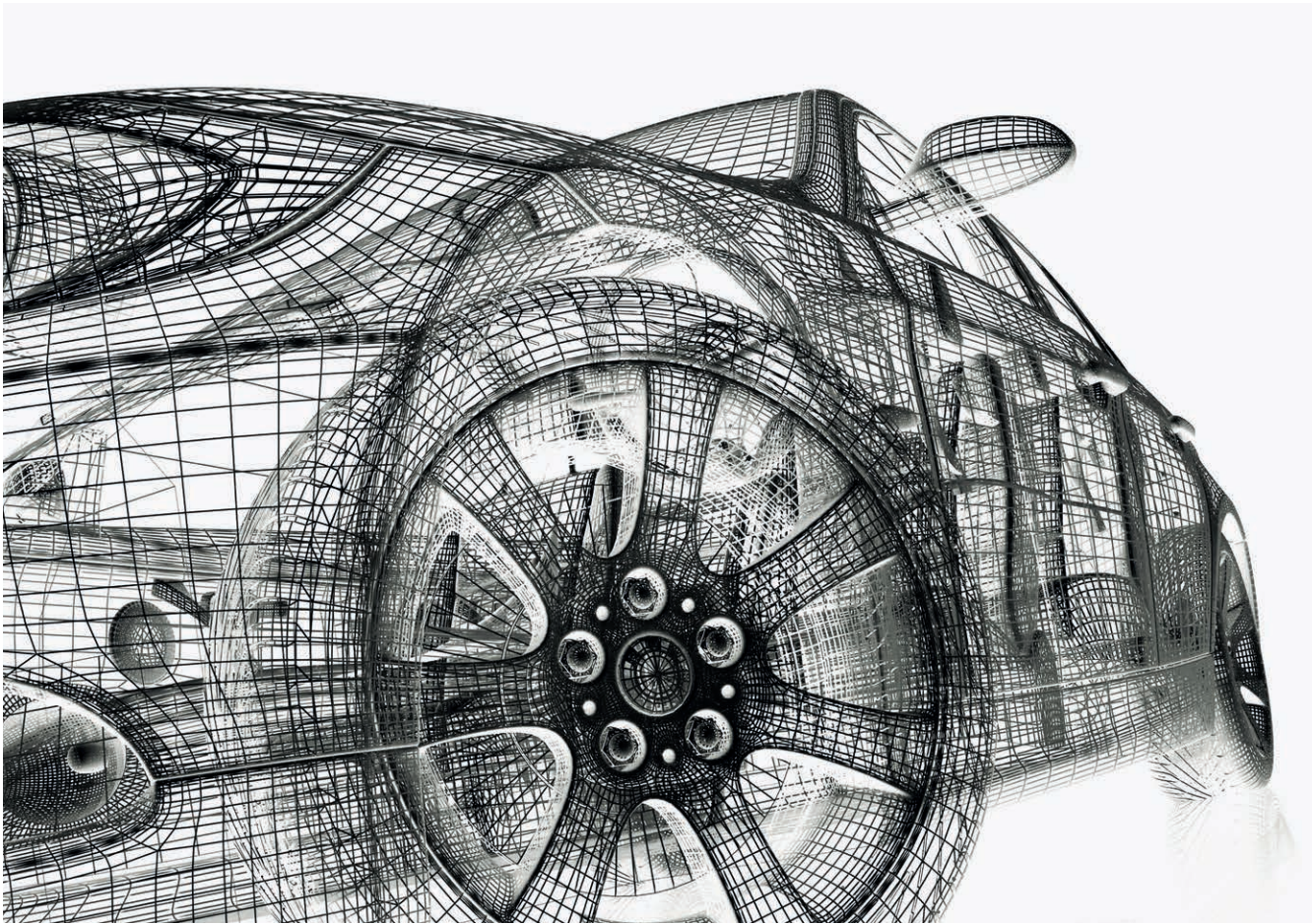


METALCOLOUR TECHNICAL COATING

Customized Solutions





YOUR INNOVATION PARTNER

Since 1973 Metalcolour has been highly committed to and focused on delivering value to clients in defined segments. Metalcolour's size and production set up, makes it possible to offer a superior service and we are setting a market standard for fast delivery, by employing a flexible and 100% customer focused production and service approach.

Utilizing our resources in our specialized production and working with carefully selected co-producers, we are able to provide innovative solutions that reduce cost and create value to our clients.

All details in our production line, raw materials and logistical services are carefully monitored in order to ensure the highest quality in products and services.

Metalcolour has a strong European presence, now strengthened by Metalcolour ASIA with its production line and office in Singapore.

TECHNICAL COATING

Metalcolour Technical Coating is a highly specialized product range offering customized solutions in coil coating of numerous metal substrates with own developed or customer specified primers, binders and coating.

The solutions developed typically have several purposes in a combination of technical requirements and high volume production. Main part of our clients utilizes Metalcolour to industrialize processes in order to take advantage of economies of scale in decreasing cost per unit. Great savings has been generated by solutions from Metalcolour Technical Coating.

Applications include: Noise & Vibration Dampening, Anti-Friction, Temperature Resistance, Anti-Galvanic Corrosion, Resistance to Chemicals & Oils, Sealing & Gaskets, UV resistance, Welding and Soldering.

VALUE BASED CUSTOMIZATION

The economies of scale in our production lines, combined with our solutions for logistics and planning are the main factors to bring down cost per unit.

Metalcolour has more than 45 years of experience in coating of sheet metal and can offer valuable input in designing new solutions and processes for your company.

Our large scale production facilities enable possibilities of industrialization of otherwise costly and more manual labor intensive stages of production, leading to significant reductions in overall costs.

BENEFITS

- Consistent quality
- Industrialisation
- Cost cutting
- Allowing for new technologies

Our production units are geared for small and large batches giving high flexibility and fast reaction times for changes and rush orders.

METALCOLOUR ANTI-FRICTION

DESCRIPTION

Anti-friction coating is used in applications exposed to extremely harsh environments where component surfaces need to be able to move together without having to be lubricated.

THE CHALLENGE

For many applications with highly stressed sliding areas or metal-to-metal moving parts, traditional lubrication is not an option. These may include:

- Metal/metal combinations with slow to moderately fast movements and moderate to high loads
- Highly stressed sliding areas with low sliding speeds, oscillating movements or intermittent operations
- High temperatures and where oils and greases cannot be used
- Cylinder head gaskets and exhaust manifold gaskets of combustion engines

This coating is often applied by either spray painting (robotics or hand) or in many cases coated by dipping. Both processes are labour intensive and require expensive equipment.

Environmental issues also make this a costly part of any manufacturing process involving the above application methods.

METALCOLOUR ANTI-FRICTION SOLUTIONS AND ADVANTAGES

The Anti-friction coating is applied in Metalcolour's efficient coil coating process. Products and specifications are carefully selected together with our clients, based on desired outcome and properties of the end product.

Properties are controlled by the right choice of material, but also control of the application process is imperative in obtaining a consistently high quality result. All relevant material and production data are monitored and documented in our quality program.

PRODUCT FEATURES

- Outstanding anti-friction properties
- High compressive strength
- High temperature resistance
- Resistant to oils, greases and solvent
- Avoidance of fretting corrosion
- High abrasion resistance

ANTI-FRICTION COATINGS APPLIED BY METALCOLOUR TECHNICAL COATING

Is used to produce gaskets and springs predominantly for the automotive industry.

METALCOLOUR METAL BINDER

DESCRIPTION

Metal Binder is an adhesive making it possible to bond materials like Rubber and Plastics to metal surfaces. In an industrialized process the adhesive is applied to sheet metal providing excellent adhesive properties. The adhesive properties in the binder are activated by heating to temperatures between 100 and 130 C° before coating or molding rubber or plastics onto the metal.

THE CHALLENGE

Any piece of shaped sheet metal being molded onto or coated by either plastic or rubber most likely needs some kind of adhesives to secure durability and overall performance. Parts with sound or vibration reducing properties and especially moving parts covered with rubber or plastics have a need for metal binders to secure long term adhesion.

These binders are often applied by either spray painting (robotics or hand) or in many cases coated by dipping. Both processes are labour intensive and require expensive equipment. High levels of production waste and environmental issues also make these processes very costly.

METAL BINDERS APPLIED BY METALCOLOUR TECHNICAL COATING

Metalcolour is developing a growing number of Metal Binder solutions for the automotive industry. Metal Binder solutions are used substantially for applications where anti vibration and noise properties are desired.

Our product is used for example in some of the most vital parts in high performance vehicles.

TRY US

On the next page you will more technical specific information about the products. Please contact us for further information or for a trial order to see for your self.



Product	Thickness	Width	Length cutting	Top coat thickness	Duplex coating
Metal Binder/Anti-friction				Type specific (5 - 20 µ)	Yes
Steel (galvanized, CRS)	0,4 - 1,00 mm	Max 850 mm	Yes	Type specific (5 - 20 µ)	Yes
Steel (galvanized, CRS)	1,0 mm - 1,1 mm	Max 800 mm	Yes	Type specific (5 - 20 µ)	Yes
Steel (galvanized, CRS)	1,1 - 1,25 mm	Max 700 mm	Yes	Type specific (5 - 20 µ)	Yes
Stainless steel	0,3 - 0,5 mm	Max 850 mm	Yes	Type specific (5 - 20 µ)	Yes
Stainless steel	0,6 - 1,0 mm	Max 800 mm	No	Type specific (5 - 20 µ)	Yes
Aluminium	0,4 - 1,0 mm	Max 850 mm	Yes	Type specific (5 - 20 µ)	Yes
Aluminium	1,0 - 1,25 mm	Max 750 mm	No	Type specific (5 - 20 µ)	Yes
Aluminium	1,25 - 2,0 mm	Max 400 mm	No	Type specific (5 - 20 µ)	Yes



Metalcolour A/S
 Agrovej 6
 DK-4800 Nykøbing F.
 Phone: +45 5484 9070
 info@metalcolour.com

Metalcolour Sverige AB
 Emaljervägen 7
 SE-372 30 Ronneby
 Phone: +46 457 781 00
 info@metalcolour.com

Metalcolour Asia Pte Ltd
 17 Tuas Avenue 4
 SG-639368 Singapore
 Phone: +65 6898 2535
 info@metalcolour.com