

A World of Colour
Premium Colour Design Systems

invicon
chemical solutions

MC.
METAL CONCENTRATORS



The world speaks in colour

Africa has a lot to say.

Africa is bursting with colour. Striking natural landscapes, vibrant cultural patterns and vivid media surrounds us every day. Jewellers have the unique opportunity to celebrate this array of colour by incorporating it into their fine jewellery – creating works of colourful, wearable art.

MetCon is one of the most advanced refineries in South Africa. Our offering includes superlative refining, world-class wealth products and specialist jeweller services.

We have partnered with Austrian-based **Invicon Chemical Solutions** to bring an innovative colour design approach to Africa's jewellery industry.



About Invicon

Established in 2004, Invicon is a market leader in the engineering and manufacturing of harden-able composites used in applications across the jewellery-, watch-, automotive, medical- and lifestyle industry.

Premium Colour Design Systems

Exclusive colour jewellery design requires suitable materials that can be processed simply and efficiently, without compromising on quality and durability. Using superior composite materials gives the jewellery in which they are used an unmatched luxurious lustre. Invicon's HyCeram®, LuxArt® and Luxon® provides a range of solutions to bring coloured jewellery to life.

HyCeram[®]
Finest Color Components ■■

LuxArt[®]
Unique Color Accents ■■

Luxon[®]
Easy Color Shaping ■■

This innovative hybrid design material combines 60% micro-fine ceramic and an organic matrix with a surface hardness of 410 N/mm².

Through the use of thermo-curing, the result is an ultra-strong compound with intense colour and a premium finish. The colour range is dynamic and will inspire the most spectacular jewellery creations.

Ideal for:

- Opaque colour pieces with outstanding colour effects and ultra premium finishes.
- Setting of precious stones and gems.

Processing options:

HyCeram[®] can be grinded, drilled, milled, laser engraved, cut and polished. Items filled with HyCeram[®] can undergo electroplating without effecting the material.

- *Works with all precious metals and alloys.*
- *Biocompatible (harmless to humans and nature).*
- *Colourfast and UV stable.*



Ceramic



60%

Hardening



120°C

Viscosity



mv/hv

Hardness



410 N/mm²



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colour catalogue

With a 35% ceramic content and organic matrix, LuxArt® delivers exactly what its name suggests.

Using high-speed blue-light curing and with a surface hardness of 210 N/mm², this design material is luxurious, durable and versatile.

Ideal for:

- Luxurious opaque or semi-transparent colour pieces with unique colour accents.
- Setting of precious stones and gems.

Processing options:

LuxArt® can be grinded, laser engraved and polished.

- *Works with all precious metals and alloys.*
- *Biocompatible (harmless to humans and nature).*
- *Colourfast and UV stable.*

Ceramic



35%

Hardening



450nm

Viscosity



mv

Hardness



210 N/mm²



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colour catalogue



With colour flexibility in mind, Luxon® is an acrylate design material with a surface hardness of 140 N/mm² and high-speed light curing ability.

The range offers customisable levels of transparency, pastel effects and pigmentation options, opening a spectrum of creative possibilities.

Ideal for:

- Colour pieces with varying degrees of transparency, pastel and pigmentation effects.

Processing options:

Luxon® can be be grinded and polished. In its clear form, it can be used over printed foil as a protective sealant.

- *Works with all precious metals and alloys.*
- *Biocompatible (harmless to humans and nature).*
- *Colourfast and UV stable.*

Ceramic



0%

Hardening



450nm

Viscosity



mv

Hardness

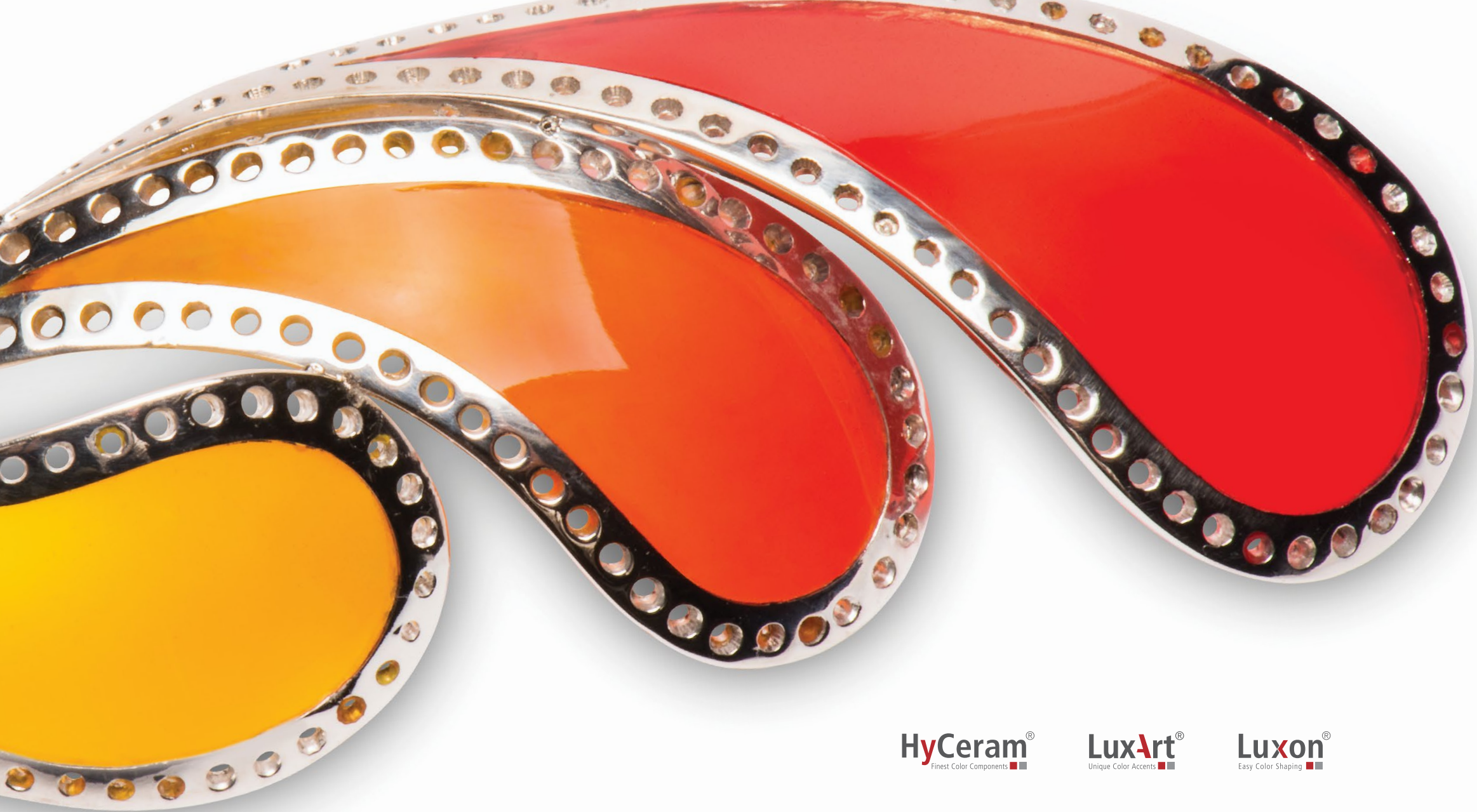


140 N/mm²



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colour catalogue





HyCeram[®]
Finest Color Components ■■

LuxArt[®]
Unique Color Accents ■■

Luxon[®]
Easy Color Shaping ■■



Interested in creating a spectacular colour piece?
Interested in partnership opportunities?

Contact us

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