



Duralight®

teuco

Duralight®.

The material that revolutionises form.

Issue no. 2

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teuco

Teuco is like you.

There is a special place that awaits you.

It stands within the walls of your home, but its embrace knows no boundaries. It has no voice, but it could tell a lot about you.

Come in.

Let everyday life slip away. Begin a new dialogue with the shapes, the colours and the feelings inspired by a style that is your own, and through your thoughts, has become ours.

Turn every day into a small tribute to your own desires.

Duralight® by Teuco. The embodiment of freedom and charm.

Surroundings should reflect the personality of the people who live there every day and become a source of well-being. Consequently, people who care about furnishings and interior design are always in pursuit of innovative, versatile and functional materials, which are also beguiling and sensual. Design exceeds all planning limitations thanks to Solid Surface materials, which are innovative composite materials that ensure pliability and elegance, in addition to surprising durability. Duralight® is the authentic ruler of this design and styling revolution because it can team superior performance levels with great styling appeal. It is an acrylic-based composite material, patented, produced and processed entirely by Teuco. A true pleasure to touch owing to its natural stone-like texture with smooth, continuous surfaces, it is a "silky" yet at the same time solid and resistant material, with an unvarying long life and extremely pliable to afford total freedom of design. Duralight® is the ideal solution to accommodate the desire to turn the bathroom into a highly personalised setting, with products that blend in seamlessly with any décor.



A story that thrives on innovation.

1994 The first composite material production plant.

Duralight® is the result of Teuco's innovative heritage. The history of Teuco begins in 1972, when the Guzzini family decided to produce bathtubs in acrylic, a cutting-edge material in the bathroom industry at the time. The entire industry then followed suit. Innovation and expertise in materials are distinguishing traits of the brand, which has always relied on its strengths of research and experience. Design, which has brought the company major international acknowledgements, is another of Teuco's great resources. In addition to producing acrylic bathtubs and showers, Teuco intensified its efforts on materials, thanks to the in-house research department. The company then began to develop several types of composite materials, which it then went on to produce. Duralast® was among the first, followed shortly by Duraquartz®, Duravitro® and Duralight®. These are all patented materials with varying compositions, yet with the same hard-wearing, durability and wear-resistance characteristics.



Teuco focuses on composite materials, and on Duralight® in particular, owing to their excellent performance levels. In 1994, Teuco started up its first production plant dedicated to this material, producing it both in slab form as well as moulds for companies in the furniture industry. Ever since, Teuco has had exclusive rights to formulate and process Duralight®.

1997/2000

The endless applications of Duralight®.



The perfect combination of superior performance and aesthetic beauty makes Duralight® a major force in interior design. Between the late 1990s and the early 2000s, Teuco completed its first projects in the contract industry, including the toilets at Athens airport and the customised wash basins for a large shopping centre in Catania.

2006

Teuco launches its first bathroom products in Duralight®.



Teuco decides to bring the amazing qualities of Duralight® into everyday use, producing the first bathroom products made in this innovative material.

2012

A complete range in Duralight® for the home and for the contract industry.



Duralight® is now a widespread and popular product which has been used to produce a complete range of Teuco bathroom products: from the many projects to supply the contract industry to the most diverse customised products, through to the supply of complete bathroom suites and settings. Some of these solutions are intended for large-scale consumer production, such as the products in the Outline and Paper collections, the Feel and View bathtubs and the Light shower enclosure. Others, such as the Suit and Scacchetti collections, are intended mostly for the contract industry. These are sit-on or built-in solutions, which are modular and totally customisable in terms of shape, size and out-of-square design.

Uniqueness patented by Teuco.

Duralight® is an innovative acrylic-based composite material, patented by Teuco. Its characteristics of absolute uniqueness are due solely to the brand's research and precious know-how of new materials. The Duralight® formula is unique, just like the technologies which Teuco uses to process it. It is ideal for creative uses, innovative designs and applications which stand the test of time, in residential and commercial environments, from hotels to shops, yachts and airports.

The amazing exclusivity of Teuco is that it produces Duralight® in-house: it can therefore work it with patented processing technologies, including traditional methods. This enables the implementation of the best design solutions at all times, with the ability to create complex forms, large objects and curved forms without joints, considerable thicknesses without adhesive, and customised products and installations.

The original Duralight® formula consists of:

- high quality acrylic resin (PMMA)
- aluminium trihydrate
- chemicals and binders

Duralight® finishes.

Teuco gives Duralight® the required finish, whether matt or gloss. The latter, in particular, is intended exclusively for the hotel industry, while the standard products are available in the matt version.



Duralight®: general characteristics and strengths.

Surprising to the touch.

With its warm and appealing tactile sensation, just like a natural surface, it enhances the pleasure of contact with water.

Visually appealing.

The fluid, joint-free forms are eye-catching. The surfaces have an uninterrupted flow about them, in both matt and gloss finishes.

Long-lasting.

Unfading colour under both natural and artificial light. It also ensures high resistance to stains, scratches and mould and mildew formation.

Non-toxic.

At normal temperatures, it does not release gas. When it burns, it only gives off carbon dioxide and the smoke does not contain toxic gases.

Hygienic and easy to clean.

Compact and non-porous across its entire thickness, it is resistant to external agents and is therefore easy to clean.

Good as new right away.

The surfaces can be restored to mint condition using a delicate abrasive detergent and an abrasive sponge.

Freely pliable.

Teuco's exclusive technologies for processing Duralight® ensure total design freedom.



Duralight® and Unlimited.

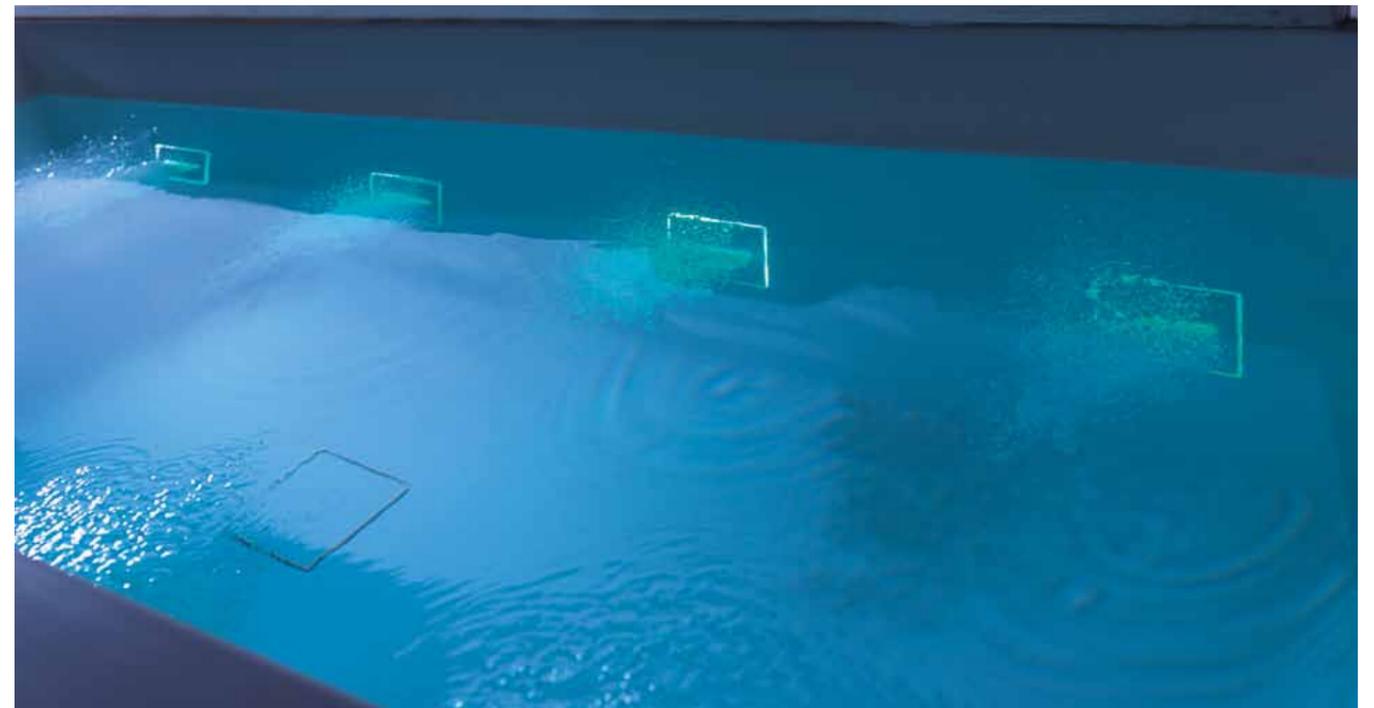
The endless freedom of design.

Teuco also offers its exclusive **unlimited**  service, for an unlimited range of bespoke solutions using the Duralight® products requested. Thanks to the extreme pliability of Duralight® and to the exclusive standard processing capacity of the material, Unlimited in fact makes it possible to invent precision-engineered bespoke products, including out-of-square.



Duralight® and Hydroline. Functionality dressed with shapes and colours.

Teuco Duralight® bathtubs are utterly beguiling thanks to the unrivalled combination of innovation and design. Thanks to the extensive range of shapes and sizes, as well as the possibility of choosing the desired panels, these tubs can cater to your customers' every need. Thanks to Teuco's versatile technology, Duralight® bathtubs are also the only Solid Surface bathtubs which can be fitted with wellness functions. Thus, appealing design is teamed with a focus on relaxation and fitness, while creativity is teamed with efficiency. Paper, the first bathtub featuring **HYDROLINE** another exclusive Teuco patent, is the perfect example. The stylish minimalist slits, designed by Giovanna Talocci to replace classic nozzles, make Hydroline the first ever invisible whirlpool. The bathtub in the Outline collection is also available with Hydroline.



All the colours of Duralight®.

The panels on the Paper and Outline bathtubs are available in three different shades of wood and in Duralight®: white or lacquered. You can pick your favourite among those available or specify your chosen Ral/Pantone to apply the colour lacquer to your panel(s).



PANTONE 116 C



PANTONE 468 C



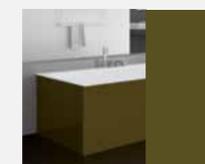
PANTONE 200 C



PANTONE 364 C



PANTONE 259 C



PANTONE 448 C



PANTONE 644 C



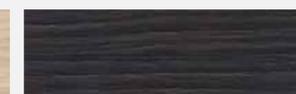
PANTONE 3025 C

Wood finish panels.

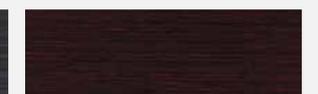
Limed oak



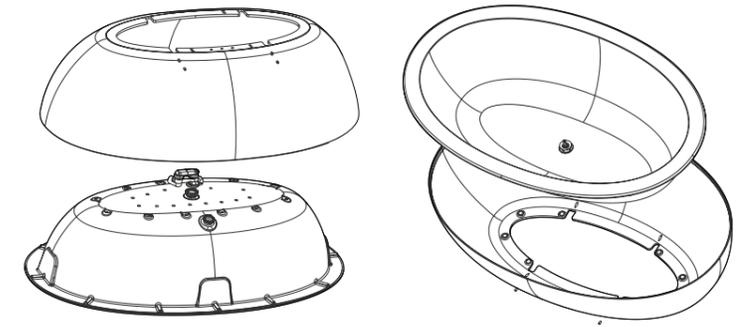
Anthracite oak



Wengè



Teuco's exclusive technological and innovative know-how.



With exclusive rights, Teuco is the only company that produces and processes Duralight®, which means it has developed complete mastery of the material over time. Teuco can in fact process it with different technologies besides traditional methods, to enable the best design and manufacturing solutions, always.

All Solid Surface materials present on the market are normally processed using thermoforming and subsequent bonding of slabs. This makes the creation of objects with special shapes costly and difficult, owing to the need to bond together a large number of pieces. Thanks to years of research, Teuco has devised another manufacturing process, which is much more flexible and beneficial: cold polymerisation, or "Cold Cure". This process allows products to be created "cold", pouring the acrylic compound into the mould and waiting for the mass to solidify and take shape.

This new technology allows Teuco to manufacture single unit "monoblock" Duralight® products, even in complex shapes, with different dimensions and thicknesses, minimising the bonding necessary to create the finished product.

An innovation which adds to Teuco's consolidated know-how in the more traditional thermoforming technology.

Teuco's Cold Cure technology offers a further advantage: in the production of bathtubs, for instance, two shells can be bonded together to create hollow products. This makes it possible to insert the wellness functions, an exclusive option only available in Duralight® bathtubs. In addition, being able to create hollow, and therefore lighter products makes handling and installation easier, and means less load on the floor.



Duralight® is totally Teuco. Control over every stage of the manufacturing process (from production of the raw material to the finished product) affords numerous benefits, particularly in terms of flexibility and being able to offer tailor-made solutions promptly, even and above all for customised settings.

Duralight® is processed paying the greatest attention to recyclability as well: Teuco reuses production waste, reintroducing it into the production cycle to make Duralight® with Granite effect.

Duralight® Granite slabs owe their styling effect to coloured crunches, obtained in fact from the grinding and screening of 100% of the Duralight® production waste.



The processing phases of Teuco Duralight®.

Teuco, even at such a high level of industrial efficiency in the manufacture of Duralight®, does not neglect the extreme craftsmanship care of the processing stages, carried out by hand on every single piece.



1 Manufacturing of semi-finished Duralight® products by Cold Cure and by thermoforming of slabs.

2 Automated deburring and milling.



3 Gluing.



4 Manual polishing.



5 Application of the frame and the systems.



6 Visual inspection and touching up of any imperfections using our special Duralight® based filler.

Truly ready for anything to offer you the best.



Functionality and beauty are teamed together with rare harmony in Teuco's Duralight® collections. The resistance and modularity of the material, which is an exclusive Teuco patent, enable total freedom of design to accommodate any requirement. Whether it's a customised solution for a domestic bathroom or an articulated project for the contract industry, Teuco offers a truly complete range of items in Duralight®, distributed over various collections by some of the best designers.

CARLO COLOMBO DESIGN

COLLECTION **outline** 





The Outline collection, designed by Carlo Colombo, stands out for its surprising design which enhances the beauty of the irregularity of the material. The use of Duralight® made it possible to create special asymmetrical edges and guarantees the utmost versatility of each individual product. The entire collection benefits from the exclusive Unlimited service, for precision-engineered bespoke solutions.

InsideOut

Outline, like all the other collections by Teuco, can be teamed with the InsideOut furniture line, also designed by Carlo Colombo. It is a bathroom furniture system made of lacquered wood with shelves made entirely in Duralight®. This all-Italian collection stands out for its clean-cut design, where styling and function liaise in perfect harmony.

Shower tray

The shower tray features a brand new beguiling design, an original solution to cover the drain and the exclusive finished floor installation technology.



Bathtub

The rectangular bathtub affords brand new sensations thanks to Hydroline, the first ever invisible whirlpool that also offers a relaxing Cromoexperience. The Duralight® panels are available in any colour the customer desires, simply by specifying the Ral/Pantone reference.

Wash basins

The wash basins feature pure and harmonious shapes, which blend in perfectly with the collection, devised to renovate the look of any bathroom.





The purity and the essential appeal of clean-cut lines lie at the heart of Paper, the collection designed by Giovanna Talocci and made entirely of Duralight®, a Teuco exclusive that will accommodate all furnishing requirements. The entire collection benefits from the exclusive Unlimited service, for precision-engineered bespoke solutions. The innovative originality of Giovanna Talocci's design for the Paper bathtub was acknowledged by the Industrial Design Association in its prestigious publication, the ADI Design Index 2011.



Bathtub

The bathtubs can be made to measure in a large number of configurations, including the model fitted with Hydroline, the invisible whirlpool thanks to the essential slits designed by Giovanna Talocci.

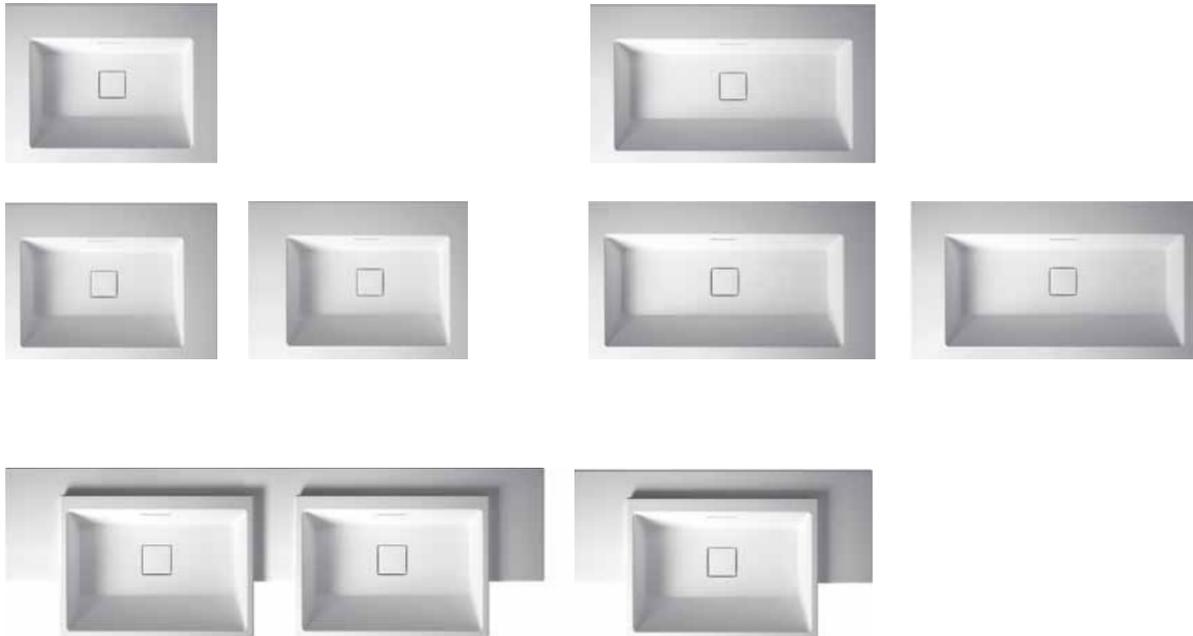
The Duralight® panels are available in any Ral/Pantone colour specified by the customer.





Wash basins

The wash basins offer maximum customisation with side lips which can be cut to suit the customer's requirements, placing several elements side by side for an intriguing visual effect.



Shower tray

The collection now also features a shower tray: another precious product which matches the rest of the collection perfectly and offers the exclusive finished floor installation technology.

TALOCCI DESIGN

An oval free-standing bathtub available in two versions, each with its own unmistakable personality, T10 and T11. Affording the charm of contemporary sculptures, capable of emphasising the amazing potential of the material, combining the elegant design by Talocci with the feeling of natural stone.

BATHTUB **feel** unlimited



FABIO LENCI DESIGN

A perfect blend of shapes and transparency:
the beguiling appeal of Duralight® merges with the glass that runs along
the entire front of both the rectangular and corner versions.

BATHTUB **view** 





FABIO LENCI *DESIGN*

SHOWER ENCLOSURE **light** 

Lightness and pure shapes for the shower enclosure designed by Fabio Lenci which makes excellent use of Duralight® and glass. The result is a comfortable experience featuring painstaking care for the tiniest details, from the roof that prevents heat loss to the "rain" effect water jet, and even the perimeter LED lighting which creates a magical atmosphere.

Innovation that caters to the Contract industry.

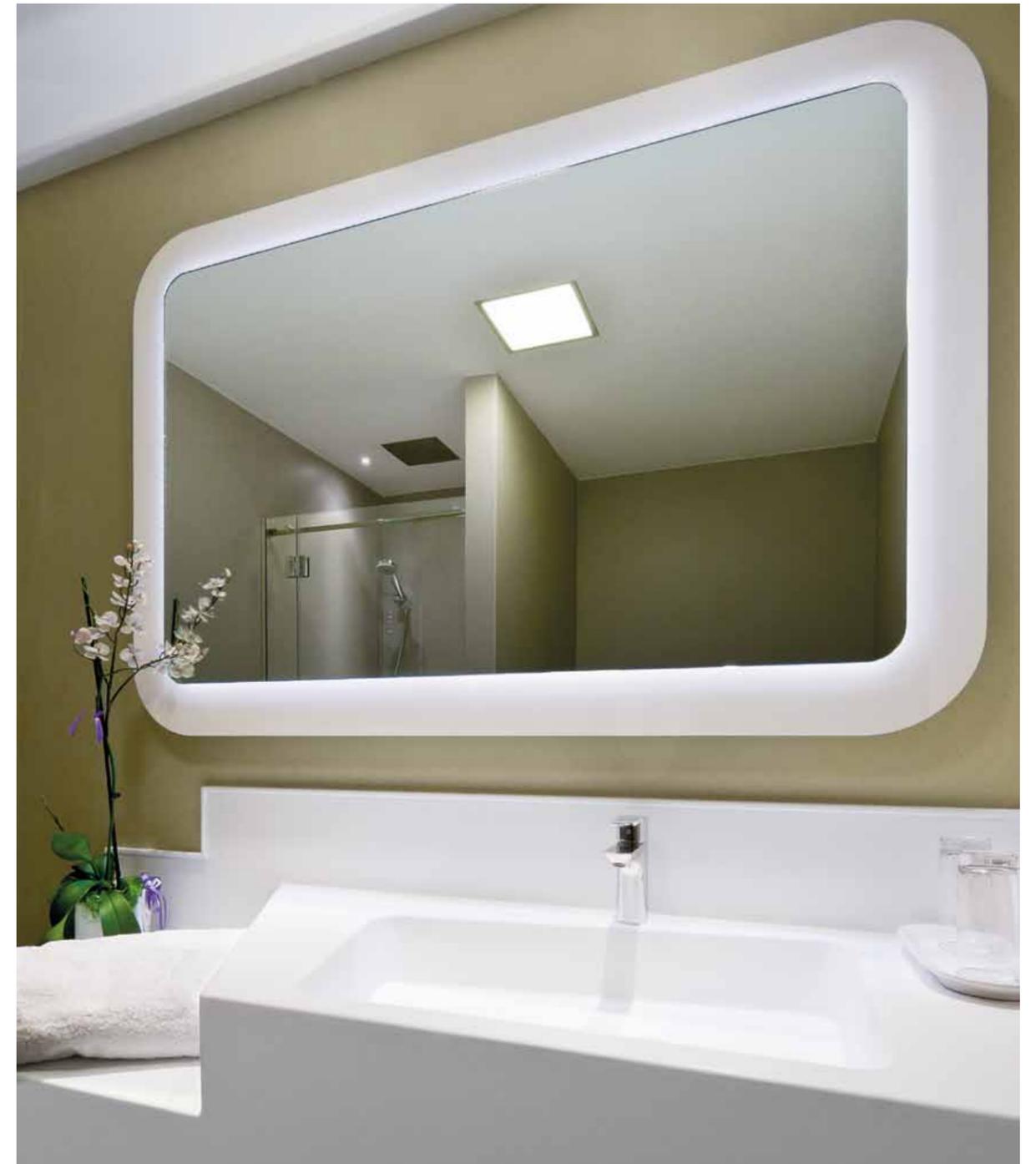
The great ease with which Teuco processes Duralight®, together with the superior qualities of the material, makes it possible to create the best design and production solution in every context.

This makes Teuco the ideal partner to supply products and entire bathroom suites for the contract market. The Teuco Contract Division has a dedicated staff putting all the skills, products and know-how that Teuco has to offer at your disposal, including the ability to produce ad hoc equipment for specific projects.



Central St. Giles

Teuco contributed to the creation of the Central St. Giles development, an innovative complex situated in the heart of London's West End designed by the Renzo Piano Building Workshop, providing customised modular vanity tops for offices.



Valle di Assisi Hotel & Resort

The prestigious 4-star Valle di Assisi Hotel & Resort in the namesake Umbrian town was extended with the help of Teuco. 20 super suites with bathrooms designed by Luca Scacchetti: vanity tops, mirrors and shower trays, all tailor-made in Duralight®. Customisation has reached the topmost levels thanks to the pliability of the material.



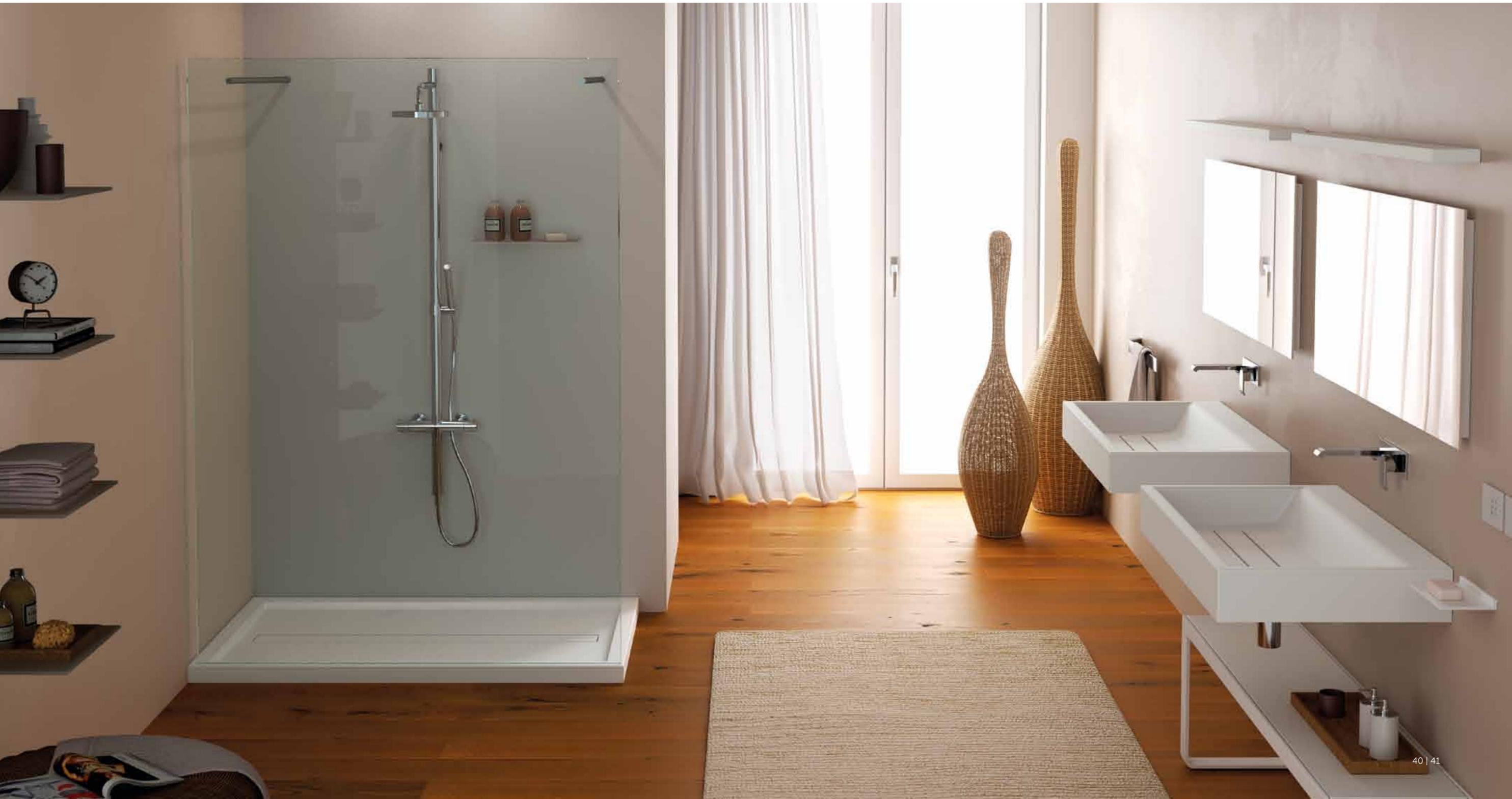
When material caters to design planning.

Suit is an innovative project by Matteo Nunziati which offers elegant, flexible and up-to-date solutions, dedicated entirely to the contract market. The collection adapts to all your furnishing requirements because it is made entirely in Duralight®, which affords ample flexibility of sizes. The two key products in the collection are the wash basin and the shower tray. The wash basin consists of a generous squared bowl and a vanity top providing storage space. The area above the wash basin features a stylish backlit mirror and a lamp made entirely in Duralight®.

MATTEO NUNZIATI DESIGN

The shower tray, with its minimalist design and clean-cut geometries, affords unexpected sensations to the touch. Suit is a collection that best responds to the needs of hotels and stylish venues because its design guarantees both maximum flexibility and versatility of design planning. Indeed, both the wash basin and the shower tray benefit from the exclusive Unlimited service, for unlimited precision-engineered bespoke solutions, including out-of-square.

SUITE **suit** 



Duralight®.
How it's made
and what it can do.



The properties of Duralight®.

The properties of Duralight®, having a profile of high quality and durability at every level, have been rigorously tested, applying international standards.



Physical and mechanical properties of Teuco Duralight®

PROPERTY*	TEST METHOD	RANGE OF ACCEPTABILITY	TYPICAL RESULTS
Determination of the resistance to chemical agents, stains and domestic detergents	UNI EN 14527		Consistent with all reagents
Determination of the Charpy resilience	UNI EN ISO 179-1	Ref. 3-8 KJ/m ²	4.5 KJ/m ²
Determination of the bending modulus	UNI EN ISO 178	Ref. 6-10 Gpa	8.1 Gpa
Resistance to bending	UNI EN ISO 178	Ref. 70-80 Mpa	76.91 Mpa
Determination of the tensile modulus	UNI EN ISO 527-1	Ref. 6-10 Gpa	6.2 Gpa
Determination of the bending breakage sigma	UNI EN ISO 527-1	Ref. 50-60 Mpa	50.27 Mpa
Determination of the Rockwell hardness	UNI EN ISO2039-2	Ref. 75-95 HRM	93.2
Fire resistance tests Ignitability of products at the Giordano Institute	UNI EN ISO 11925-2:2005 Part 2 UNI EN 13238:2002	Range of resistance to fire: Class A2, B, C, D	Fire classification class attributed: B
		Range of smoke: Classification S1-S2-S3	Smoke classification class attributed: S1
Smoke classification at the Giordano Institute	NF F16-101 (1998) NF X10-702-2 (1994) NF X70-100 (2006)	Range of opacity of smoke F0-F2	Smoke opacity classification class attributed: F0
Fire resistance classification at the Giordano Institute	UNI EN 13501:2007 UNI EN 13823: 2005 UNI EN 13238: 2002	Range d0-d2	Drops/particles ignited absent Classification: d0
Fire resistance classification at the Giordano Institute**	NF F16-101 (1998) NF X10-702-2 (1994) NF X70-100 (2006) UNI EN 13501:2007 UNI EN 13823: 2005 UNI EN 13238: 2002		Euroclass: FIRE RESISTANCE CLASSIFICATION is: B; -s; d0
Classification in slip-resistance tests	DIN 51097 UNI EN 13451-1	Range: Class A - B - C	CLASS (A + B)

* 12 mm slabs portrayed.

** 8 mm slabs portrayed.

The performance of Duralight®.

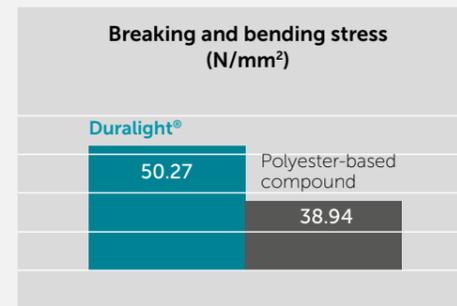
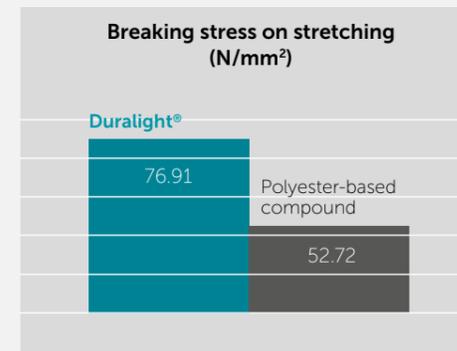
Owing to its composition and in particular to it having the acrylic PMMA as a basic substance, Duralight® has superior characteristics and performance levels that make it ideal for uses that require durability, resistance to wear and total safety.



1) Physical and mechanical resistance.

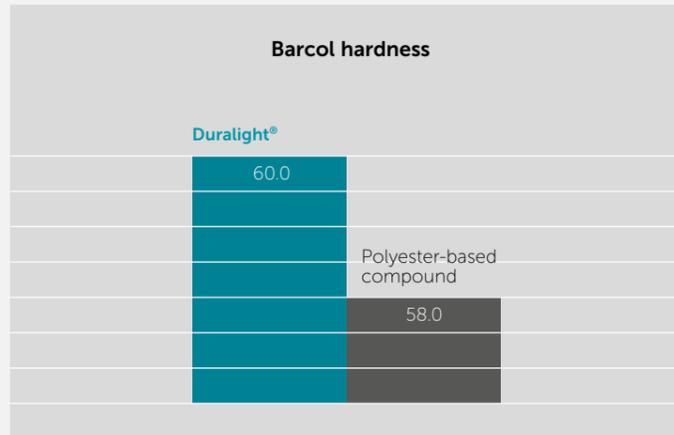
Duralight® is highly resistant to shocks, scratches, abrasions, wear and stresses which are typical in everyday use, especially in the bathroom. The resistance to shocks and abrasions of an acrylic-based compound is much higher than (practically double) that of any other polyester-based compound.

Constancy Test: Breaking, bending and stretching stresses
IO10C23, UNI EN ISO 178-98, UNI EN ISO 527-1



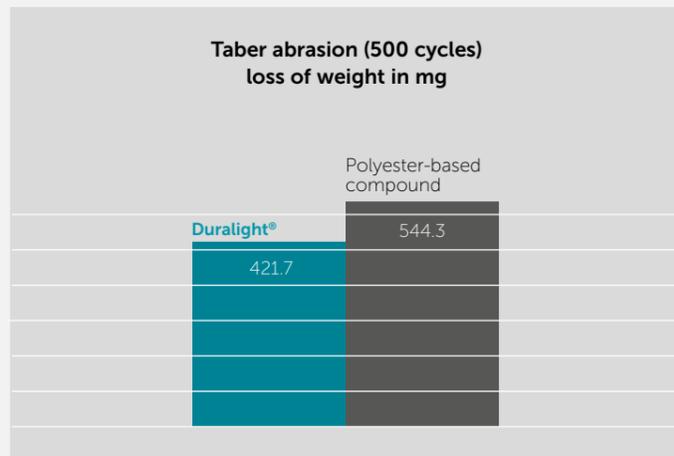
Surface Hardness (Barcol) test
IO10C212, UNI 4278, D2583-95

Hardness is a value that indicates the plastic deformability of a material, and is defined as resistance to permanent deformation. Hardness tests determine the resistance offered by a material against being penetrated by another material.



Abrasion Resistance test
UNI ISO 9352

Test that determines the resistance of the material to wear. After 500 revolutions on five 10x10 mm samples it is measured by the loss of mass. Duralight® records a lower loss of mass than that of the best polyester-based compound, and is therefore more resistant to abrasion.

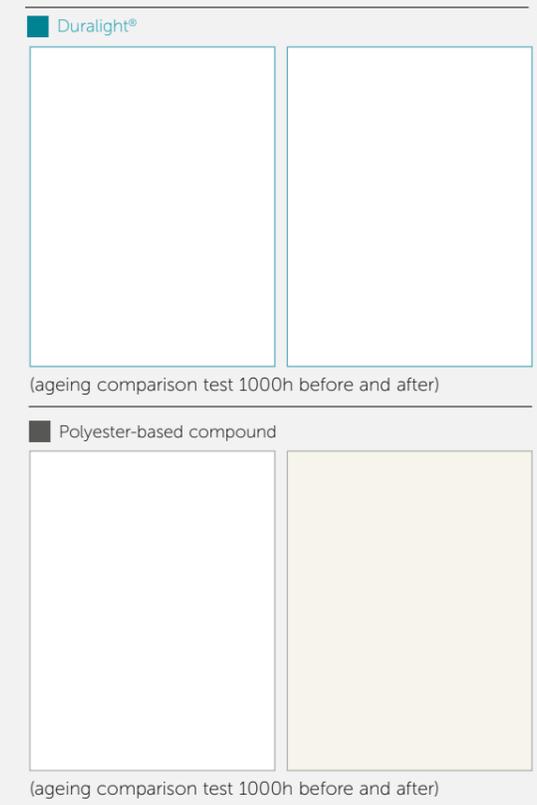
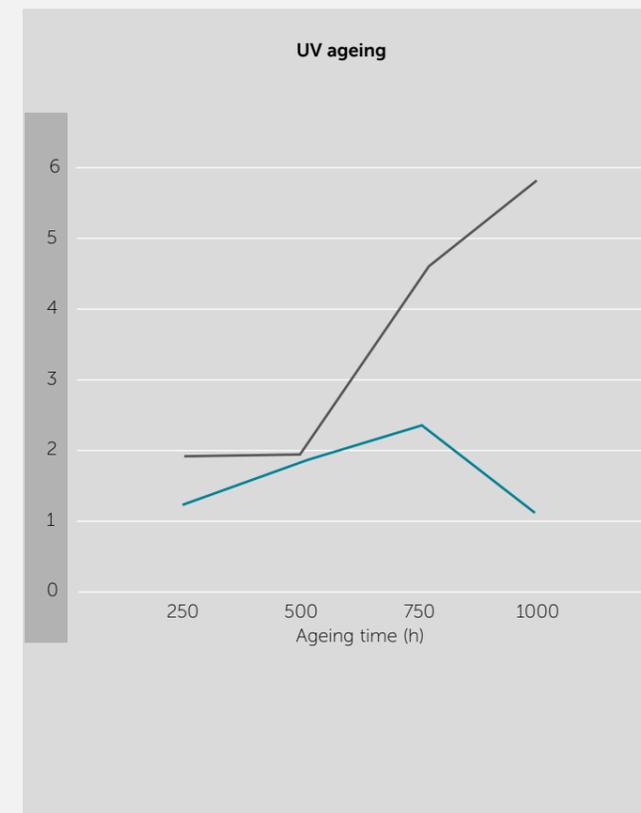


2) Durability over time.

Duralight® is extremely resistant to exposure to heat up to 100°C and to UV rays: so even if it is exposed to natural or artificial light (glass, near windows, etc.) for a long time, it will not yellow and will not undergo colour changes. In this respect, its performance is absolutely superior to polyester-based compound materials which tend inevitably to yellow over time.

Ageing test of products with laboratory light sources for 1,000-1,200h (Xeno test in conditions of humidity)
IO10C220, UNI EN ISO 4892-1

The purpose of this test is to subject the samples to exposure to laboratory light sources in controlled conditions for 1,000-1,200h. This method measures irradiation on the surface of the sample comparing the exposure times. The chromatic variation of the sample subjected to UV is measured with respect to a standard.



3) Chemical resistance, hygiene, ease of cleaning.

Duralight® is non-porous and cannot be attacked by mould and bacteria. A non-porous surface also reduces dirt and limescale deposits to a minimum. It is also stain-resistant and resistant to the majority of acids. It can be wiped clean with a soft damp cloth and some bathroom cleaners, preferably creams. Polyester-based surfaces on the other hand are porous and therefore more difficult to clean, and some detergents can dull their surface.

Surface resistance to cigarettes test UNI9241

The effect of a lit cigarette resting on the surface is assessed for the time taken to burn 2 cm of the cigarette.

Duralight®	Polyester-based compound
Observations: Colour change and/or evident burns but not extended over the entire test zone, removable with sponge and bleach.	Observations: Colour change and/or evident and permanent burns extended over the entire test zone.

Stain Resistance test ISO 4586-2:2004

To demonstrate the great resistance of Duralight® to stains, special tests were carried out using the procedure indicated by the relevant standard: apply a small quantity of staining agent (2 or 3 drops) at room temperature to the sample surface and cover the resulting stain with a boron silicate watch glass for approximately 16 hours. Remove the stain with the solvent indicated by the standard and, finally, clean the surface of the sample with ethanol. After approximately 1 hour, check the surface for any visible stains.

STAIN		CLEANING INSTRUMENT		RESULT
COFFEE		SPONGE + VIAKAL		No stain residue
HAIR DYE		SPONGE + SOAKING WITH BLEACH (held in place for 16h)		No stain residue
MAKE UP FOUNDATION		SPONGE + VIAKAL		No stain residue
MAKE UP LIPSTICK		SPONGE + VIAKAL		No stain residue
MAKE UP EYE PENCIL		SPONGE + VIAKAL		No stain residue
MAKE UP MASCARA		SPONGE + VIAKAL		No stain residue
NAIL VARNISH		SPONGE + VIAKAL		No stain residue
CIGARETTE		SPONGE + SOAKING WITH BLEACH		No stain residue

4) Fire resistance.

Being a composite material but with a plastic component, Duralight® cannot, logically speaking, be considered fireproof. From the tests performed at the Giordano Institute, it is however classified in class B, the best in terms of fire resistance, with the emission of non-toxic clear fumes.

Fire resistance classification of construction products

UNI EN 13823:2005

Duralight® was subjected to flames obtained from the combustion of propane which delivers heat energy of 30.7 ± 2.0 kW. During 20 minutes of exposure to the flames, the following parameters were noted:

- production of heat
- production of smoke
- lateral spread of flame
- falling drops and/or particles on fire

Duralight® recorded the following parameters in relation to its resistance to fire:

FIGRA 0.2 MJ: 47.605 W/s
FIGRA 0.4 MJ: 47.605 W/s
LFS < end of sample
THR 600s: 7.256 MJ

Also regarding the production of smoke, Duralight® falls within the best category, s1, with the following parameters:

SMOGRA: 0.000 m²/s²
TSP 600s: 14.043 m²

Moreover, no burning drops and/or particles were found (class d0).

Consequently, according to the parameters of the Fire resistance classification of construction products (UNI EN 13501-1:2007), Duralight® falls within Class B – s1, d0.

Test for the ignitability of construction products subjected to the direct attack of flames according to the UNI EN ISO 11925-2:2005 standard

The test monitors two aspects:

- any combustion of material, if the tip of the flame reaches 150 mm from the point of application
- any combustion of the filter paper placed under the two samples

During the test on Duralight®, the following values were recorded:

- Front of the flame < 150 mm within 60 sec
- Ignition of the filter paper: NO

Duralight® falls within Class B.

Smoke classification

The test, which has the purpose of assigning one of the smoke classes laid down by the NF F16 101 (1988) standard to the material, analyses the opacity of the smoke emitted into the atmosphere (NF X10-702-2 1994) and the combustion and pyrolysis gases (NF X70-100 2006).

Duralight® was found to belong to Smoke class f0 (the best in the f0-f2 range set by the standard).

5) Slip resistance.

DIN 51097 (92)

Every Teuco product lives with water and for water: for us, it is vital that the materials used are safe and non-slip. Duralight® was tested at the Bologna Ceramic Centre, which specialises in research and experimentation for the ceramic industry. The 0.5 cm thick 100x50 cm slab of Duralight® was tested according to the international standard DIN 51097(92) "SLIP RESISTANCE": Duralight® falls within the A+B band, the same as generic shower rooms, swimming pools for children, bathtub perimeter zones and water access ladders, where safety must be especially guaranteed.



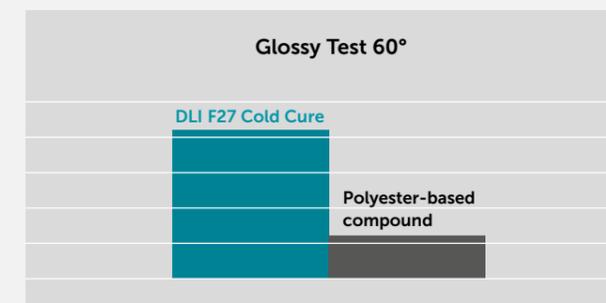
6) Brilliance and brightness.

Greater brilliance and brightness are among the advantages of Duralight®. In particular, thanks to the Cold Cure manufacturing process, the acrylic can be worked creating surfaces with a gloss and not just a matt finish. The gloss effect, which is not used in standard production however, is obtained by pouring the liquid material into a mould with a glossy surface. So for customers who choose Duralight® with a gloss finish, the maximum brightness is assured.

Surface Specular Reflection (Glossy) Test

UNI 9149

This test measures the specular reflection of the surfaces by means of a Picogloss.



Maintenance and cleaning of Teuco Duralight® surfaces.

Teuco Duralight® is easy to clean because it is uniform and compact. The instructions provided below are the result of experience gained in the laboratory with respect to the most common circumstances found in the practical use of Duralight® products, which might not, however, be able to solve problems caused by improper use. For circumstances other than those described in this document, we suggest you seek further information from Teuco Technical Support.

Duralight®: easier to repair than polyester-based surfaces.

On polyester-based surfaces, repairs are more difficult because the colouring is often only superficial and not throughout the product's mass. Vigorous scrubbing may bring out a different colour at different depths. Moreover, any retouching on polyester surfaces becomes even more obvious.

Cleaning and maintenance.

Warnings.

Detergents that contain alcohol, strong acids and acetones must not be used to treat the Teuco Duralight® surface. If this kind of product comes into contact with the material, we recommend cleaning the surface immediately with plenty of water and detergent to avoid the formation of permanent stains. Take care not to use coloured detergents which could leave pigment residues. Avoid contact between the material and products with high colouring power such as nail varnish, hair dyes, self-tanning products, etc., and oil-based products (hair oil and conditioner), because they could cause permanent stains. Do not use cloths or pads containing metal wire.

Recommended products.

- Soft cotton cloths of a "natural multi-purpose" type
- Bathroom sponges (non abrasive)
- Ammonia-based detergents¹ (e.g. LYSOFORM)
- Slightly abrasive cream-based detergents² (e.g. CIF)
- Descaling agents³ (e.g. VIAKAL)
- Bleach⁴

Daily cleaning.

Remove dirt residue with a wet cloth or sponge, using detergent. Rinse with hot water and dry with a soft cloth.

Limescale residue.

Remove limescale deposits with a cloth or a sponge, using a descaling agent. In the case of tough deposits, repeat the operation, leaving the descaling detergent to act for a maximum of 5 minutes. Rinse with hot water and dry with a soft cloth.

Colouring substance residue.

Remove stains with a cloth or a sponge, using a slightly abrasive detergent. In the case of tough stains, repeat the operation using bleach. Rinse with hot water and dry with a soft cloth.

Burns.

Small burns and nicotine residues can be reduced/removed by rubbing with a cloth or a sponge, using a slightly abrasive detergent or some bleach. Rinse with hot water and dry with a soft cloth.

Extraordinary cleaning.

In order to maintain the initial colour of the material, we suggest, from time to time, applying a solution composed of ¾ bleach and ¼ water, leaving it to act for a maximum of 8 hours. Rinse with hot water and dry with a soft cloth.

Restoration of the surface.

If stains cannot be removed by the above methods, or if there are signs of abrasion or superficial notches, the abrasive (Scotch-Brite™) sponge supplied (HARD abrasive sponge, 150 FEPA finish) should be used.

- Matt surfaces

Rub down the surface with the abrasive (Scotch-Brite™) sponge in a sequence of circular movements, preferably dampening the sponge with water.

- Gloss surfaces

After rubbing down with the abrasive (Scotch-Brite™) sponge, the treated surface must be polished with the aid of a polishing paste (polish) and a soft cloth.

In the event of damage that cannot be repaired using the abrasive (Scotch-Brite™) sponge, contact Teuco Technical Support.

(1) - With a composition of no more than: 5% sodium tripolyphosphate, 5% alkyldimethylbenzylammonium chloride, 5% alkyl alcohol ethoxylate.

(2) - With a composition of no more than: 15% sodium alkyl benzene sulfonate, 5% alkyl alcohol ethoxylate.

(3) - With a composition of no more than: 5% non-ionic surfactants, 5% formic acid, 5% phosphoric acid.

(4) - Sodium hypochlorite (NaClO) in concentration of not more than 15%.

The photographic reproduction of the colour shades may not match the actual hue perfectly.

The information and characteristics specified in this catalogue do not bind Teuco Guzzini S.p.A. which reserves the right to make any changes without prior notice or replacement.

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