

Healthcare

Colour schemes and
product solutions



World-leading coatings supplier

Hempel was founded in 1915 and is today one of the world's leading manufacturers and suppliers of coating solutions. Our advanced protective and decorative coatings can be found on millions of surfaces around the globe.

From the world's longest bridges and tallest skyscrapers to airports, sports stadia and civil structures our coatings protect your assets against corrosion in many different and challenging environments.

Our history is rooted in protective coatings for the extreme conditions experienced in the Marine, Decorative and Protective industries, so you can be assured that we offer trusted technology, expert technical service and reliability.

With our vast expertise and knowledge, you know that by choosing Hempel, you are choosing a brand you can trust.



Essential products in action

Topaz Zero emulsions with Silver Ions

Environmentally friendly waterborne topcoat designed to prevent growth of harmful bacteria and mould. Based on 100% pure acrylic, and gives a smooth luxurious finish with excellent washability and opacity.

Strata Epoxy Anti-microbial HT

Strata Epoxy Anti-microbial HT is a solvent-free epoxy floor coating with enhanced hygienic properties. The anti-microbial action inhibit fungal and bacterial growth.

Topaz Zero emulsions with Silver Ions

Topaz Zero emulsions with Silver Ions

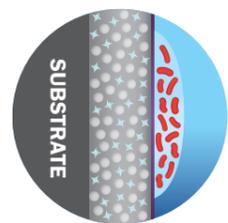
Environmentally friendly waterborne topcoat designed to prevent growth of harmful bacteria and mould. Based on 100% pure acrylic, and gives a smooth luxurious matt finish with excellent opacity, washability, flexibility and colour retention properties.

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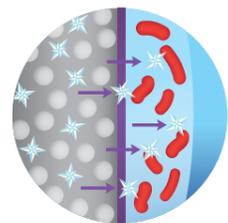
The effect of Silver Ions:

When a silver-based compound is exposed to micro moisture, it releases active Silver Ions that eliminate bacterial growth on surfaces by killing existing microbes through damaging the microbial cell DNA.

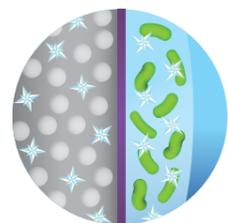
The action can take place on e.g. door handles, painted surfaces and it can even be embedded into textile products like hospital gowns.



Micro-moisture carries bacteria and can cause mould. Silver ions in the coating protect against and prevent the growth of mould.



Silver ions are activated when the coated surface comes into contact with micro-moisture, seeking out and attaching themselves to the bacteria that the micro-moisture carries.



The Silver Ions neutralise and eliminate the bacteria, leaving the surface clean and helping to prevent the spread of infection.

Strata Epoxy Anti-microbial HT

Already in 2003, the U.S. Food and Drug Administration approved the use of silver in the food industry, which further helps to prevent bacterial epidemics.

Certificates
Antibacterial, complies with ISO 22196
Antifungal, complies with BS 3900
VOC, complies with LEED and ISO 11890-2
Fire resistance, complies with BS 476
Accelerated weathering of 500 hours, complies with ASTM G151
Scrub resistance, complies with BS EN ISO 11998:2006



Strata Epoxy Anti-microbial HT is a solvent-free epoxy floor coating with enhanced hygienic properties due to the use of advanced Silver Ion technology. The anti-microbial action inhibit fungal and bacterial growth.

Special features

- Antibacterial and Antifungal surface.
- Outstanding mechanical properties.
- Easy to clean and retain cleanness.
- LEED compliance VOC.

Areas of use

Designed to protect interior concrete floors, walls and ceilings, where strict hygienic control is essential. Ideal for hospitals, laboratories, pharmaceutical factories, food and beverage manufacturing plants etc.

Certificates/approvals:

Property	Standard	Result
Adhesion strength	ASTM D4541-09	4.7 N/mm ²
Tensile strength	ASTM C307-03	20 N/mm ²
Flexural strength	ASTM C580-02	39 N/mm ²
Compressive strength	ASTM C579-01	89 N/mm ²
Abrasion resistance	ASTM D4060-10	60 mg/1000 cycles
Impact resistance	ASTM D2794	0.3 kg-m
Shore D hardness	ASTM D2240-05	D/79/1

Determination of the Resistance of Surface Coatings to Mould Growth (BS3900 Part G6).

Determination of the Antibacterial Activity of an Epoxy Resin against Escherichia coli, Methicillin Resistant Staphylococcus aureus, Staphylococcus aureus, Pseudomonas aeruginosa and Klebsiella pneumonia using ISO 22196:2011.

The power of colour

Colour acts to inform, persuade and warn through our behavioural, emotional and physical reactions to it. And whilst there remains much debate surrounding the psychophysiological effects of colour, colour plays a critical role in our everyday lives and there can be no disputing the fact that colour has a major effect on us.

How colours affect us will vary to some degree between individuals and will inevitably be influenced by several factors including, society, upbringing, culture and race. However recognisable patterns of colour responses have been identified and there are certain colours that are synonymous with generating a particular emotion and subconsciously drive us to take a particular action. It is clear that any strong colour will cause an immediate reaction that can be physiologically measured.

□ White

Positive: Hygiene, sterility, clarity, purity, cleanness, simplicity, sophistication, efficiency

Negative: Sterility, coldness, barriers, unfriendliness, elitism

■ Brown

Positive: Seriousness, warmth, nature, earthiness, reliability, support

Negative: Lack of humour, heaviness, lack of sophistication

■ Violet

Positive: Spiritual awareness, containment, vision, luxury, authenticity, truth, quality

Negative: Introversion, decadence, suppression, inferiority

■ Black

Positive: Sophistication, glamour, security, emotional safety, authority, efficiency, substance

Negative: Oppression, coldness, menace, heaviness

■ Blue

Positive: Intelligence, communication, trust, efficiency, serenity, duty, logic, coolness, reflection, calm

Negative: Coldness, lack of emotion, unfriendliness

■ Red

Positive: Physical courage, strength, warmth, energy, basic survival

Negative: Defiance, aggression, visual impact, strain

■ Green

Positive: Harmony, balance, refreshment, universal love, rest, restoration, reassurance, environmental awareness, equilibrium, peace

Negative: Boredom, stagnation, blandness

■ Yellow

Positive: Optimism, confidence, self esteem, extraversion, emotional strength, friendliness, creativity

Negative: Irrationality, fear, emotional fragility, depression, anxiety

Before making a final colour choice it's worth considering the type of atmosphere that's required. Colours such as shades of red, orange and yellow are perceived as warm colours and thus increase the perceived temperature of a space whilst the opposite is true of true blues and blue shades of green.



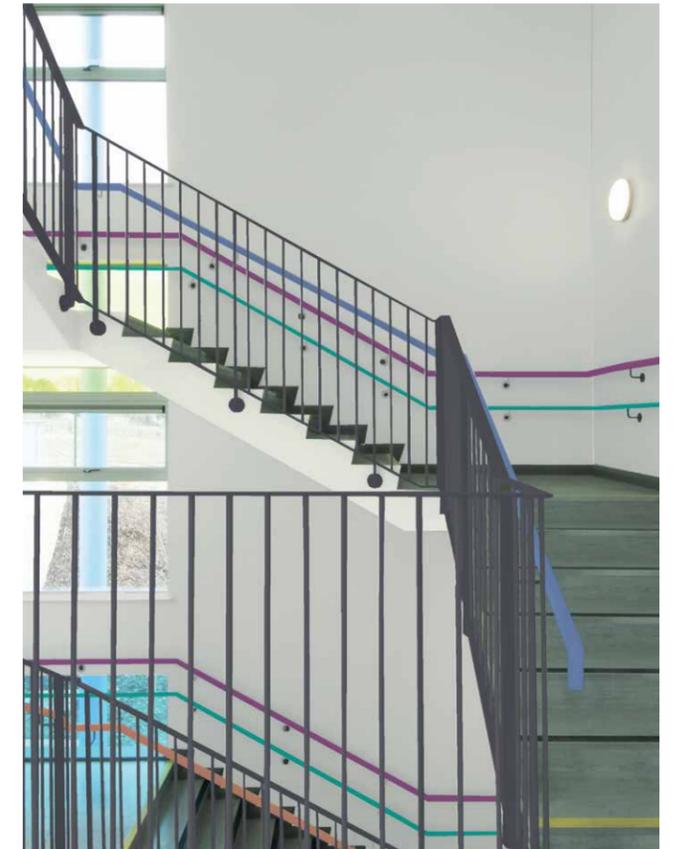
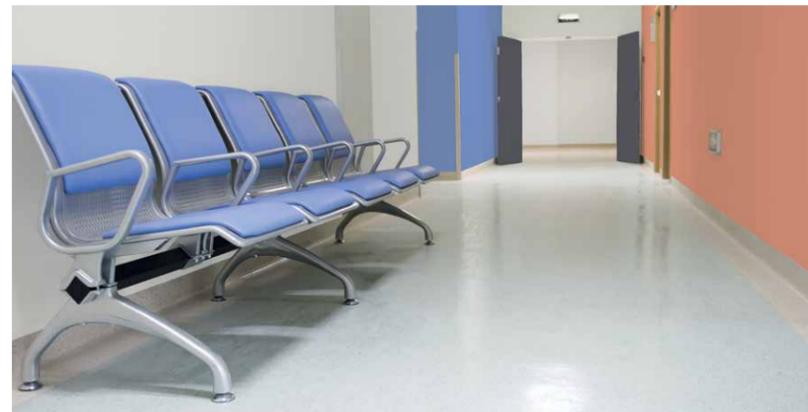
Colour in healthcare

There are eight individual palettes to choose from, each devised to flow through an entire healthcare facility for continuation and ease of maintenance. Colour is not limited to a single palette and multiple palettes may be chosen to tailor your facility's look.

Every palette consists of at least two base colours, colours that are light to mid toned and suitable for large broad wall areas. These are complemented with stronger or richer colours to add interest and create a well-balanced and welcoming interior space.

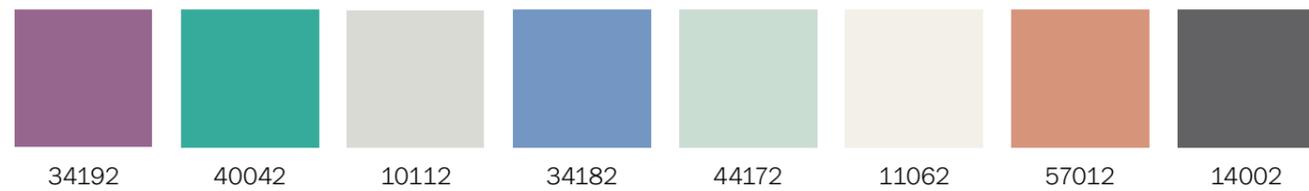
It has been recognised that fresh air, natural light, references to nature and peaceful surroundings are beneficial to patient and staff wellbeing, and these factors can help contribute towards a faster recovery time. Artwork and pictures are an ideal way to add elements of nature into an interior alongside a coordinating colour scheme. Harmonious and tranquil images therefore became the source of inspiration for the eight colour collections and these are shown on each introductory page.

A children's hospital or ward should be bright, friendly and colourful to make the visiting experience as comfortable as possible. Murals can brighten the walls and create a necessary focal point and ensure the surroundings are less intimidating. Mural designs using the colours within the palettes are illustrated and can be up-scaled to feature on a wall and achieve impact.



Colour palette 1

Reception/entrance area, waiting room and corridor



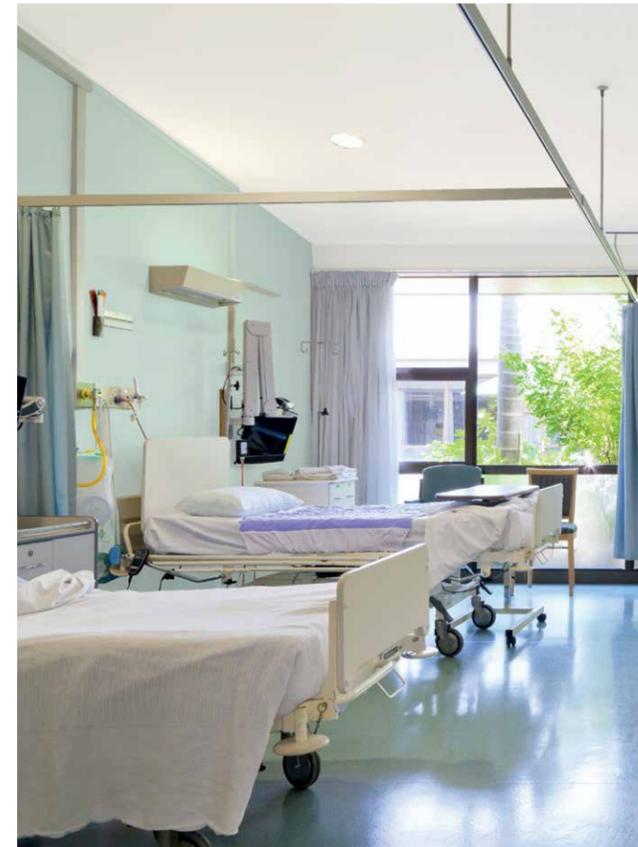
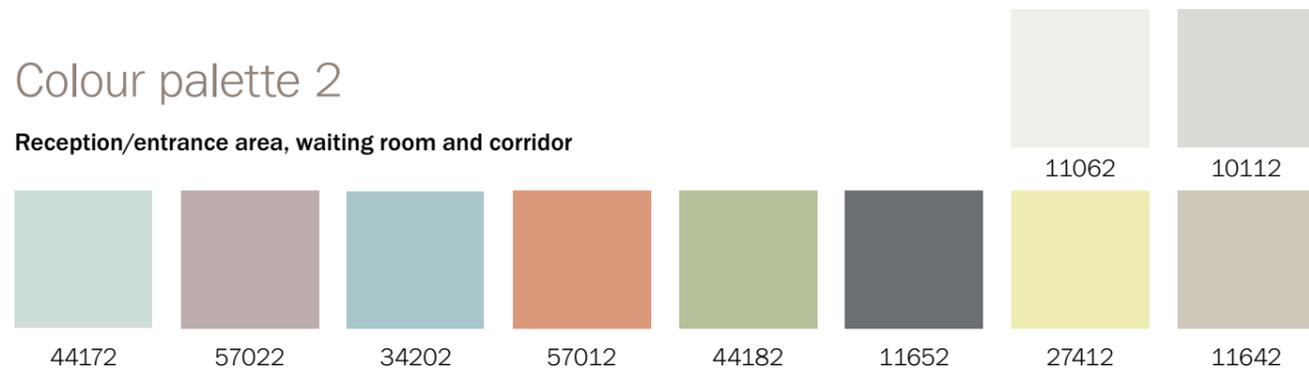
We take steps to ensure the accuracy of colours, but for technical reasons connected with colour reproduction, the colours shown may not exactly match the actual paint colours. Always intermix packs on the same painting job for better colour consistency.

Treatment rooms, wards and stairwells



Colour palette 2

Reception/entrance area, waiting room and corridor



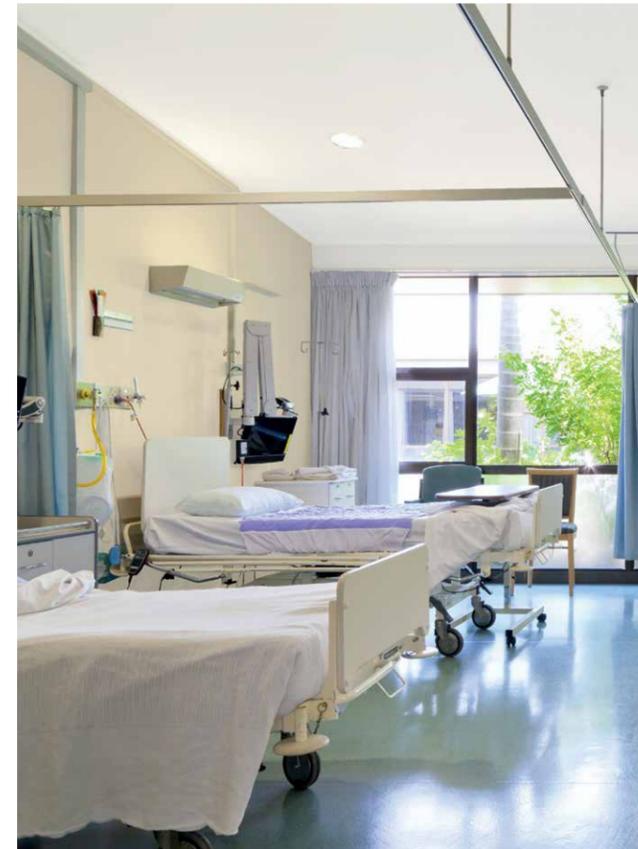
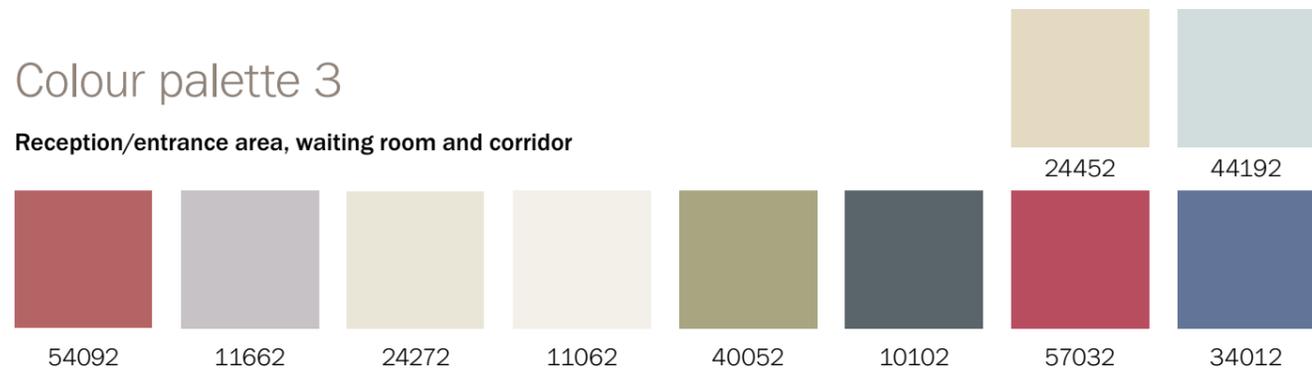
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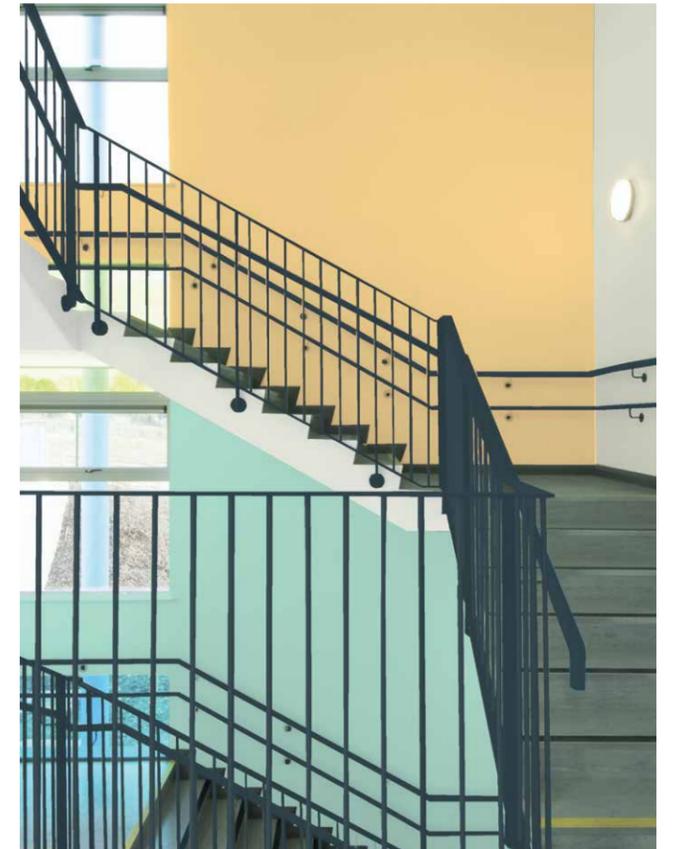
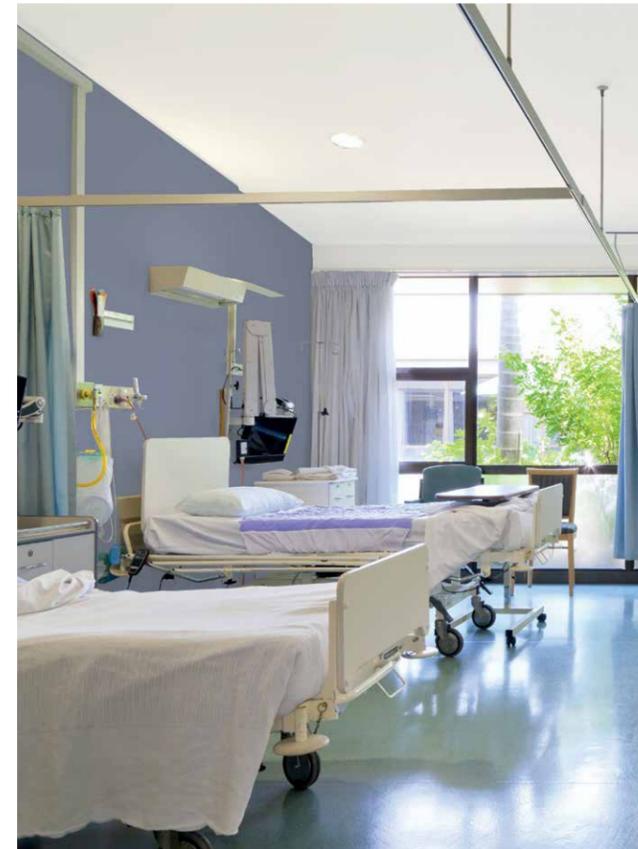
Colour palette 3

Reception/entrance area, waiting room and corridor



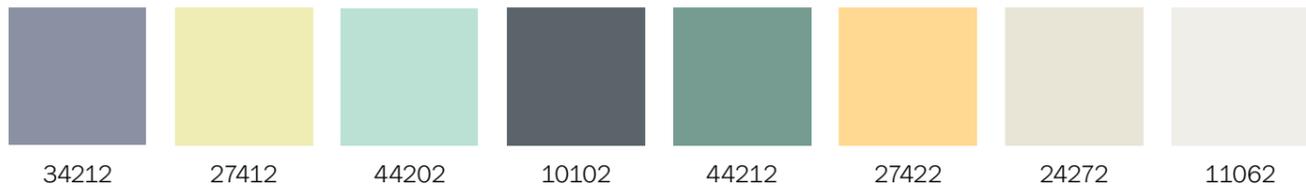
Treatment rooms, wards and stairwells

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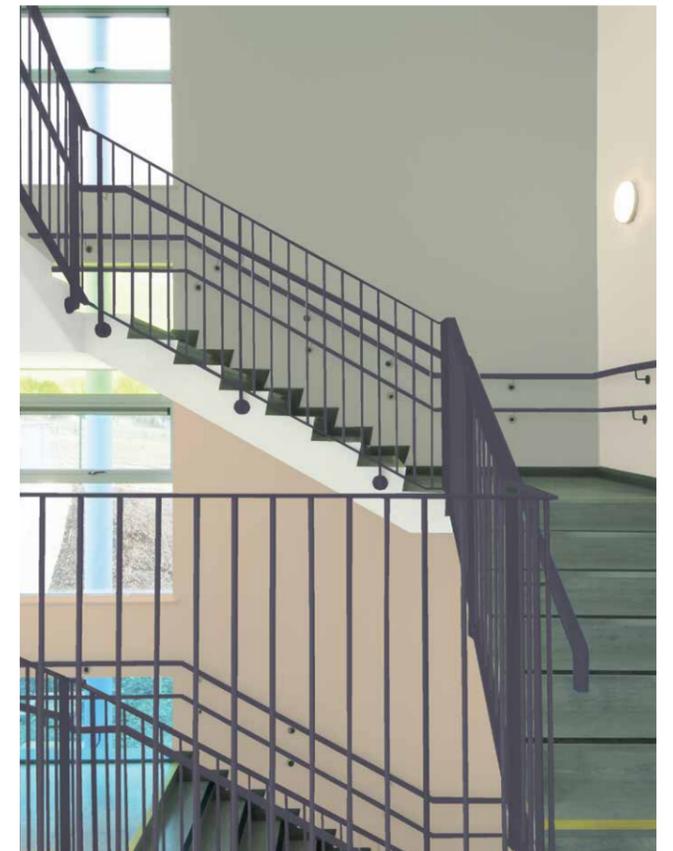
Colour palette 4

Reception/entrance area, waiting room and corridor



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Treatment rooms, wards and stairwells



Colour palette 5

Reception/entrance area, waiting room and corridor



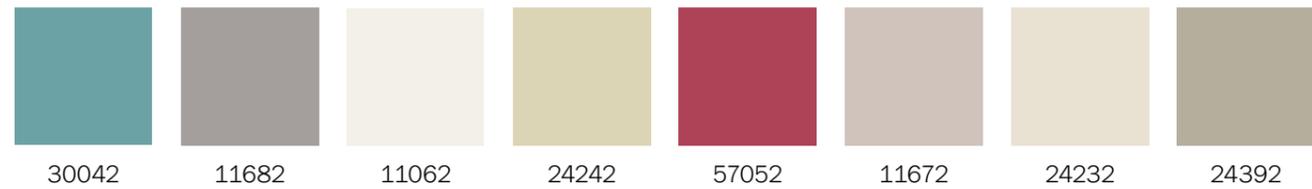
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Treatment rooms, wards and stairwells

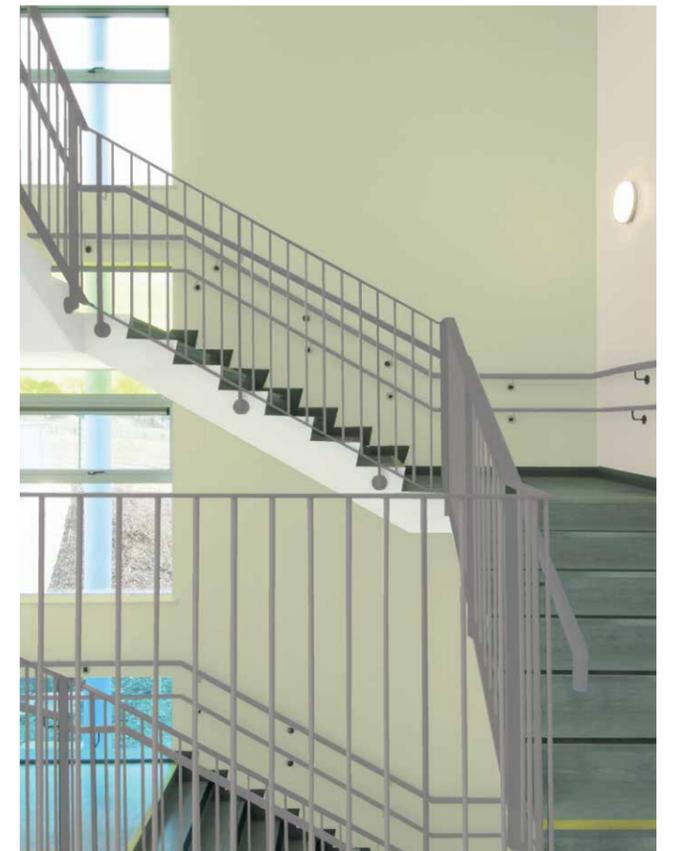
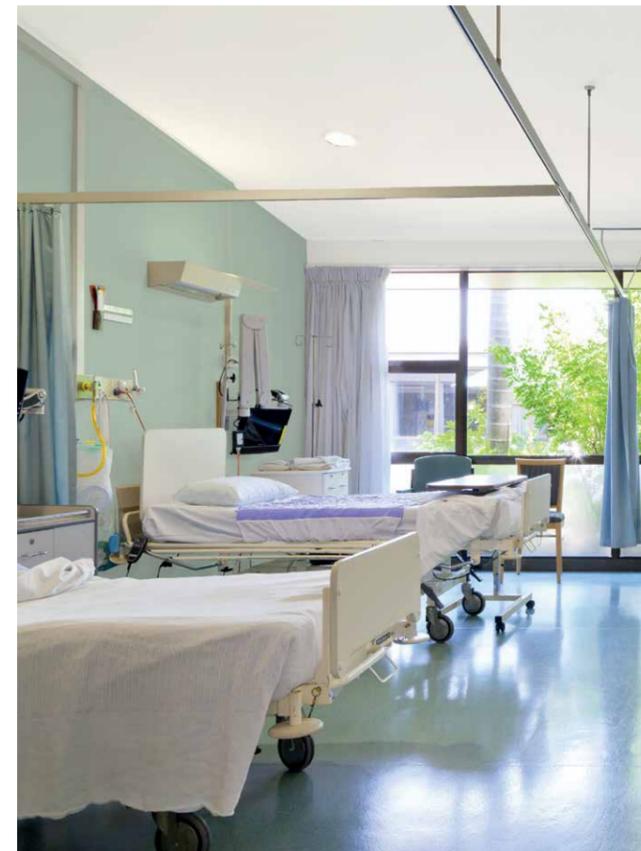


Colour palette 6

Reception/entrance area, waiting room and corridor

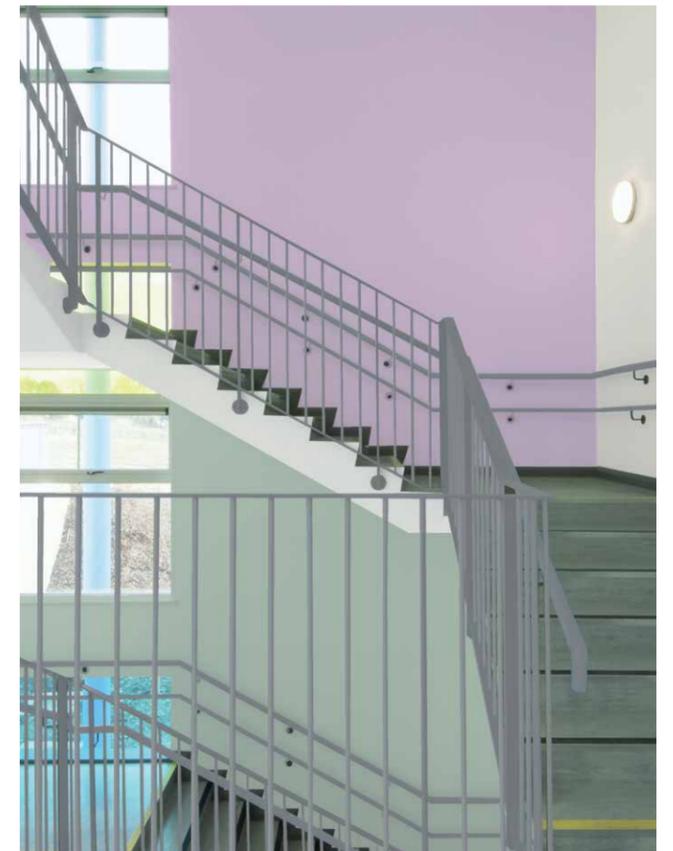
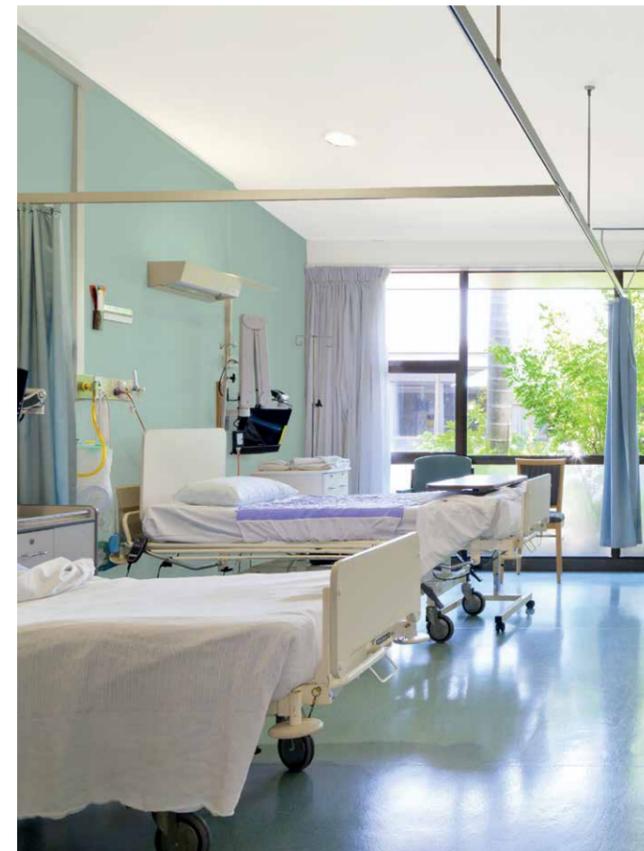


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Treatment rooms, wards and stairwells

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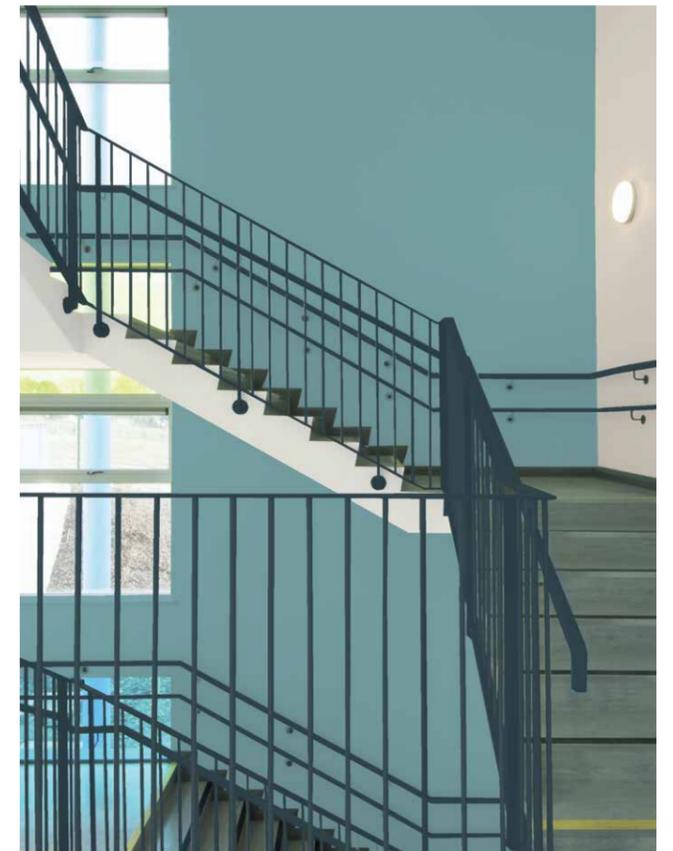
Colour palette 7

Reception/entrance area, waiting room and corridor



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Treatment rooms, wards and stairwells



Colour palette 8

Reception/entrance area, waiting room and corridor



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Treatment rooms, wards and stairwells

Since 1915 Hempel has been a world-leading coatings specialist, providing protection and inspiration to the world around us. Today we have over 5,500 people in 80 countries delivering trusted solutions in the protective, decorative, marine, container, industrial and yacht markets. This includes many recognised brands like Crown Paints, Schaeppman and Jones-Blair.

Hempel is proudly owned by the Hempel Foundation, which supports cultural, humanitarian and scientific causes across the world.

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