

Acoustical Design for Healthcare

Hospitals have unique requirements of hygienic quietness! Anutone delivers!

Acoustical Walls & Ceilings for Hospitals

Current noise levels in the best of hospitals are definitely very much above the ideal 40dB mandated by World Health Organisation (WHO) which means there is a need for acoustics.

The 6D principles of acoustical application applies to all spaces especially hospitals:

- **Distraction-free** - Communications between doctors and nurses and patients and support staff need to be in the clear the first time every time which can be facilitated with high speech intelligibility which means good acoustics.
- **Disturbance-free** - Consultations between doctors and their patients need to be confidential in terms of not only visual privacy but also acoustical privacy.
- **Distortion-free** - Group briefings to staff or group counselling of patients needs low-noise, low-reverberant large spaces for clarity of speech and fatigue-free listening.
- **Distress-free** - Patients must rest well to rejuvenate and recoup their wellness for which sound sleep in quiet conditions is essential. Quick recovery is the key and acoustics helps.
- **Dissonance-free** - Harmony of all frequencies with sounds that are free from room resonances
- **Distance-free** - In large venues like auditorium, every seat is a prime seat. Equal loudness for all seats - front to seat, left to right, top to bottom.

Apart from acoustics, ceilings and panellings need to have the following virtues:

- **Visuals** - be vibrant in their appearance and dynamic in aesthetics as gone are the days of staid, bland hospital interiors that look dull and depressing that make a patient feel more unwell!
- **Lighting** - ceilings and panelling must accentuate indirect lighting to ensure diffused, shadowless, glare-free, soft luminance that is soothing to patients and harried staff alike. High reflectance ceiling tiles and wall panels from Anutone help in this case.
- **Hygiene** - acoustical products must be zero or very low on emissions to ensure high levels of indoor air quality and positive air pressure. Surface finishes need to be easily maintainable.

Ceiling tiles like Subtex Nubby H+, Pixel Square, Astral H+, Tufbloc Square and ceiling boards like Pixel Smery, Tufbloc and wall panels like Subtex KSL, Sonator are damp-wipable with disinfectant sponge systems.

Further, wet-wipability, washability and water repellancy in operation theatres, ICUs, laboratories, cleanrooms, kitchens and washrooms is supported by Astral Aquila and Tufbloc Vin ceiling tiles apart from Tufbloc ceilings and drywalls specially painted at site with anti-bacterial coatings.



Product Recommendations for Hospitals



Healthcare References Successful hospital projects across India are testimony

Project	Location	Products
Civil Hospital	Ahmedabad	Stretch NRC, Synth PF
Lallubhai Gordhanbhai	Ahmedabad	Subtex Series, Stretch NRC
Manipal Hospital	Bangalore	Synth PF
Manjunath Hospital	Bangalore	Strand Primer
St Johns Hospital	Bangalore	Slats Surco, Strand SS
St Johns	Bengaluru	Stretch NRC
Vydehi	Bengaluru	Pixel Taper
Chirayu	Bhopal	Strand
Apollo	Bhubaneswar	Soak Cord, Strand
AIIMS	Bhubaneswar	Subtex Nubby, Strand Ebony, Smart Burl, Soak Cord
Khurda Hospital	Bhubaneswar	Strand SS
B M	Calicut	Slats Surco
Chettinad Multispeciality Hospital	Chennai	Strand Primer
ESIC Ayanavaram	Chennai	Slats Surco, Mat Ebony, Synth PF
ESIC	KK Nagar Chennai	Slats Surco, Mat Ebony, Spun Cord, Synth PF
Hospira Health Care	Chennai	Mat Solo, Spun NRC
MIOT (Madras Institute of Orthopaedics & Traumatology)	Chennai	Strand, Spun, Synth PF
MIOT International	Chennai	
Stanley	Chennai	Pixel Taper
Westminster Healthcare	Chennai	Synth PF
ESIC Kovai	Coimbatore	StrandSS, Spun NRC, Synth PF
Cleveland	Dubai	Stretch SLS
Bomblim	Goa	Astral Lay In
District Hospital	Goa	Serge Lay-in, Synth PF
Continental	Hyderabad	Slats
Rainbow Hospital	Hyderabad	Synth Slim
GVK 108	Kathwada	Stretch NRC
Ragagiri Hospital	Kochi	Slats Surco
Sagore Dutta Hospital	Kolkata	Pixel Taper, Slats Surco, Stretch, Strand

Project	Location	Products
Command Hospital	Kolkata	Smart Burl, Multiseptum, Soak Cord, Synth PF
NRS Hospital	Kolkata	Tuf Wud
Ruby Hospital	Kolkata	Subtex Ebony, Strand SS Ebony, Tufbloc HDFR
Sagardatta Hospital	Kolkata	Slats Surco, Strand Primer
Super Speciality Hospitals	Kolkata	Subtex NRC, Slats Surco, Mat BSB, Synth PF, Tufbloc HDFR
State Health Hospital Mushirabad	Malda,	Sisoli, Pixel, Strand, Astral, Subtex Series, Slats Surco, Tufbloc, Synth PF
ESIC	Mandi	Subtex Nubby, Subtex NRC, Slats Surco, Mat Ebony, Float
Global (Brahmakumaris)	Mount Abu	Strand
Ramakrishna Mission Hospital	Mumbai	Serge Lay-in, Synth PF
Alexis Multi Speciality Hospital	Nagpur	Strand Primer, Spun NRC, Synth PF
Pitale Hospital	Nagpur	Tufbloc HDFR, Synth PF
Segal	New Delhi	
Sehgal Neo Hospital	New Delhi	Subtex Nubby, Slats Surco
Aeon Hospital	New Delhi	Strand Colour Duo
Audiometric Room	Orissa	Soak Plane
Dvidal Hospital Psychiatry-Mental Hospital	Pune	Stretch NRC, Synth PF
Civil Mental Hospital	Rajkot	Tufbloc
Central Institute of	Ranchi	Slats Surco
Nirmal Ashram & Eye Hospital	Rishikesh	Pixel Taper, Slats Surco, Synth PF
Siddhpur Cancer	Siddhpur	Strand
General Hospital	Tirunelveli	Slats Surco
Parul Sevashram Hospital	Vadodara	Subtex Ebony, Synth PF



Anutone Acoustics Limited, 3A Industrial Area, Bengaluru 560 048, India
Phones +9180 4084 3737 | +9180 2520 2803 | +9180 2520 3114 Email info@anutone.com

AMDAVAD • BHOPAL • BHUBANESWAR • CHANDIGARH • CHENNAI • COIMBATORE • DEHRADUN • DELHI NCR • GOA • GUWAHATI • HYDERABAD
JAIPUR • KOCHI • KOLKATA • LUCKNOW • MUMBAI • NAGPUR • PATNA • PUNE • RAIPUR • RAJKOT • RANCHI • SURAT • VADODARA • VISAKHAPATNAM

Toll Free 1800 103 5505 (10am - 6pm Monday-Friday)



All logos and brand names are registered trademarks of their respective owners. To ensure delivery to your inbox, please add info@anutone.com to your address book. If you wish to stop receiving our emails, reply with Unsubscribe in the subject line to info@anutone.com.