

Stretch Cara

FABRIC WALLS

www.anutone.com/stretchcara.htm





DESIGNER'S DELIGHT

- World's first quad track, dual tape, dual core
- Unique design engineering
- Many options - wide range
- No fabric sag - fits any shape, pattern
- Less joints - almost seamless
- Any size, any space - scalability
- Hassle free - easy to install
- Tried, Tested, Proven - credibility
- Reliability - conforms to international standards
- Performance - visibly aesthetic, invisibly acoustic



Key Attributes

Stretch Cara is a sophisticated wall panel system of stretched Cara fabrics on acoustical cores.

Incredible scalable design options with efficacy of functional performance, in compliance with guaranteed quality norms, at an economic value proposition is what Stretch Cara is all about.

With each panel stretching upto 1.2x20m, virtually any surface of any size and shape is scalable giving a hitherto impossible ability to the designer to weave geometric forms.

Myriad variety, aesthetic appearance, smooth and almost seamless finish, ease of install - all this and more makes it an obvious choice for the discerning designer.

Typical Applications

Stretch Cara wall panels enable interior ambiances in diverse architectural spaces

- Offices, AV Conference rooms, Board rooms
- Auditoria, Performing spaces
- Cinema - multiplexes, single-screens
- Hotels - Banquet halls, Guestrooms
- Public spaces, Convention centres
- Studios, Preview theatres
- Home theatres, Listening rooms

Aesthetics

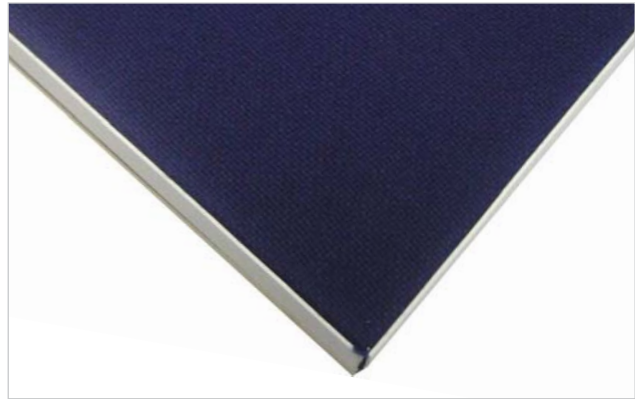
Stretch Cara comes with a richness of colours and vividity of forms that make it stunningly luxurious and visually beautiful.

Less joints, tolerance to adjacent fixtures, eliminating misfits ensures a perfect integration lending a new expression to aesthetics.

Stretch Cara brings so much variety to the designer's desk that the designer's imagination is the only limitation.

All that the designer has to choose is:

- The fabric texture and shade
- Shape of the fabric joints with the tracks
- Depth of the system



System Features

- Superior grip - no sagging
- Tracks invisible below the fabric - impact resistant
- 4 types of tracks with dual tape
- System heights from 10mm to 35mm
- Length - standard 20m; custom lengths possible
- Width 1370mm, effective 1300mm; double width possible

The Two Variants

For Masonry Walls

Type	System Thickness	Components		
		SoundBase*	Strand	Synth PF
FS15	25mm (~1")	SB10	400x15	5x10
FS25	35mm (~1-1/2")	SB10	400x25	10x10

*Applicable for masonry walls only

For Non-Masonry Walls

Type	System Thickness	Components	
		Strand	Synth PF
FS15	15mm (~5/8")	-	5x10
FS25	25mm (~1")	400x15	10x10

Other components include fabric, Stick S7, staples, fasteners. Installation tools include hammer drill, stapler and tucking tools.

Framework

The Stretch Cara system includes all necessary components. No additional framework is required. This makes it simple, fast and easy to install resulting in an economical package.

However, for speciality venues of large size where additional airgap is necessary, Strut framework systems from Anutone - Strut CC10, CC22, CC50 etc - are available.

Easy Maintenance

Stretch Cara's unique characteristic helps it camouflage conduiting and other associated services. The stretched fabric can be removed, washed, pressed, and re-used into the same frame.*

The fabric can be cleaned by vacuuming and conventional fabric shampoos.*

**Shrinkage, if any, must be accounted before the install.*

+Colour stability due to water contact must be ascertained before the install. Anutone's worry-free SoundSentry AMC protection plans are available to safeguard the install against such impacts.

^ The warranty is given when installed by Struct's SoundScaff to Anutone's specifications and maintained under the SoundSentry AMC programme

Eco-friendly Sustainance

The Stretch Cara system consists of components that are eco-friendly and fully recyclable. That is, use of Stretch Cara is equal to conserving energy in buildings which means reducing the heat, and thereby the air-conditioning costs too. This gives the system the LEED credits.

Fire-rated Performance

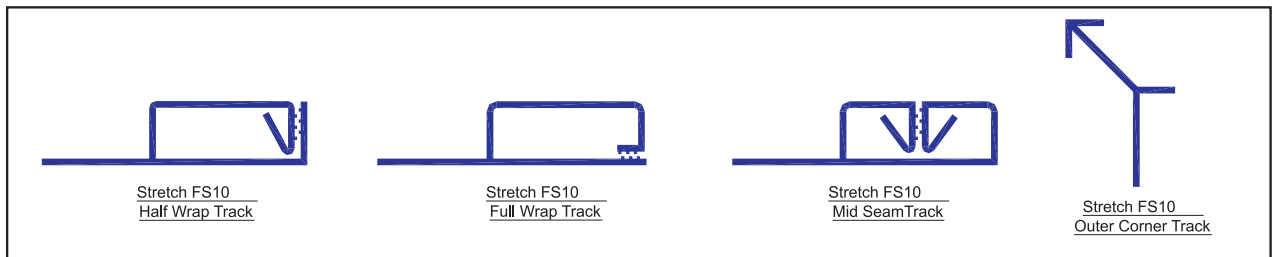
The Stretch Cara system comes with a Fire Hazard Classification of Class 1 or A in accordance with ASTM E-84 or UL 723 testing parameters. This makes it all the more safer proposition for any space.

Warranty

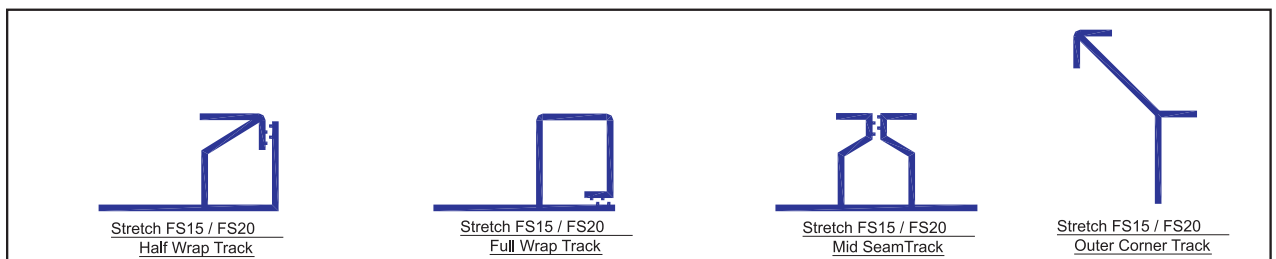
The system comes with 10 years warranty which makes it all the more assured service and maintenance.^

Installation Drawings

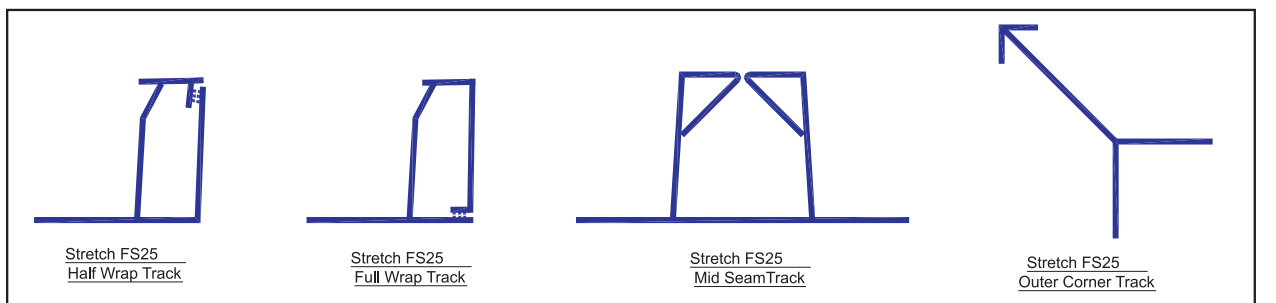
Stretch FS10 Tracks



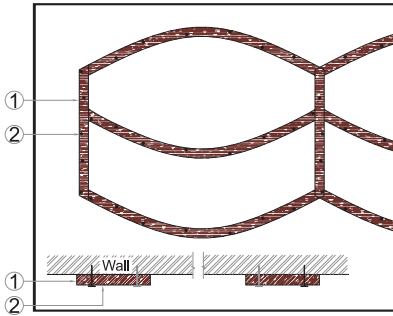
Stretch FS15 / FS20 Tracks



Stretch FS25 Tracks

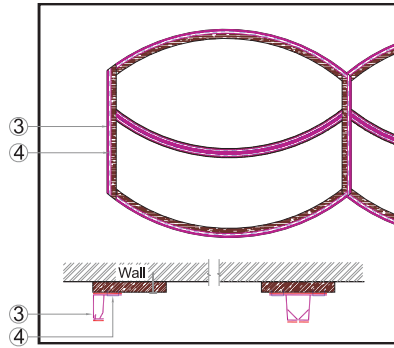


STEP - 1



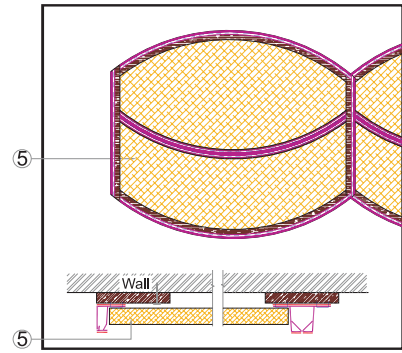
- The wall surface is made ready by ensuring it level, dry and clean.
- The fabric spanning details as per drawings are marked on the wall.
- SB10 is installed on the wall surface on the marked lines with metal fasteners at 300mm centres embedded in plastic sleeves. The holes are made with an impact drill. Any level differences in wall surfaces are made plumb by inserting packing shims behind the SB10.*

STEP - 2



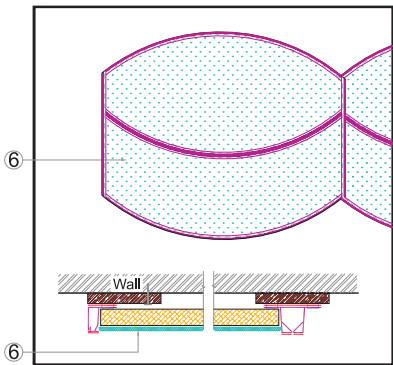
- The Base Tape protective cover is unpeeled on the base of the Stretch tracks.
- Stretch tracks are then installed on the SB10 with Stitch staples at 25mm centres with a stapling machine. In the case of non-masonry walls where SB10 is not installed the Stretch tracks are stapled directly to drywall

STEP - 3



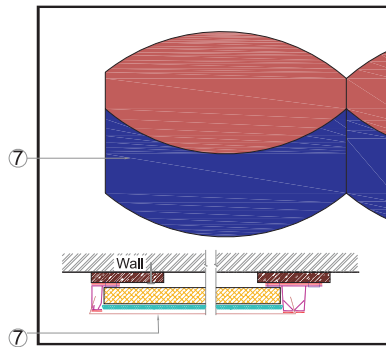
- The Strand panels installed on the wall surface with M8x25mm metal fasteners that are angularly driven through the panel to the wall. In the case of non-masonry walls the Strand panels are stapled after applying light spots of Stick S7 adhesive.

STEP - 4



- Synth PF is then friction fitted with light spots of Stick S7 adhesive.

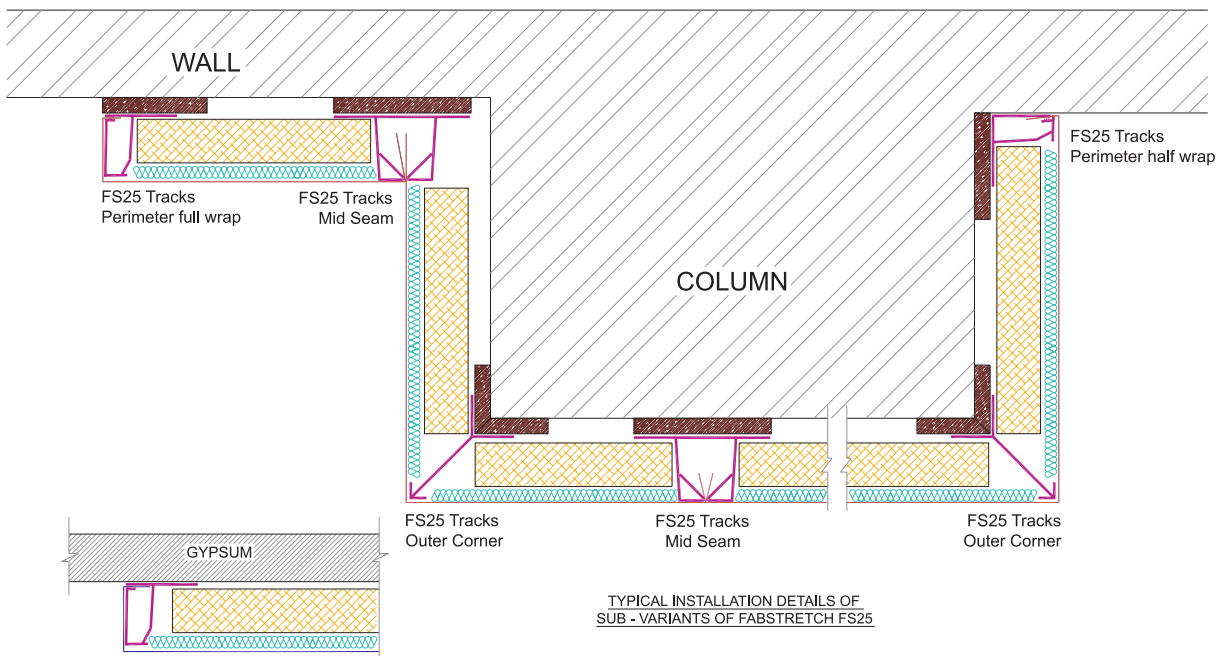
STEP - 5



- Cara fabric is then aligned to the Stretch tracks by following the fabric threadline or pattern. The Cara fabric is stuck on the Align Tape (by removing the protective film) at the same as being stretched and tucked into the Stretch tracks with the tucking tools.

Note: Each Stretch track features a unique dual tape mechanism - Base Tape on the base of the track for a true and continuous secure grip of the track on the wall surface, and Align Tape on the top of the track for a true and continuous secure grip of the fabric on the track.

*SB10 applicable for masonry walls only

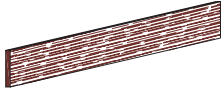

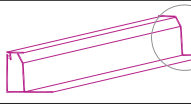

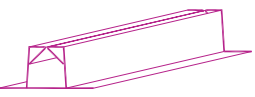
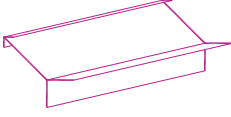

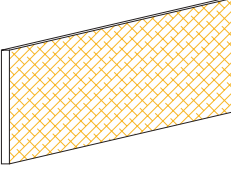
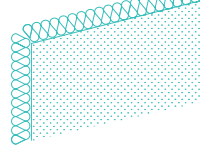
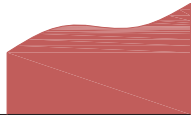



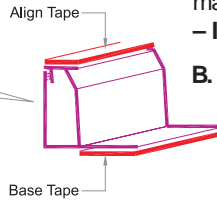
TYPICAL INSTALLATION DETAILS OF SUB - VARIANTS OF FABSTRETCH FS25

TYPICAL INSTALLATION DETAILS ON NON - MASONRY WALLS
NOTE: SB10 not required.

Architectural Specifications - 3-part

GENERAL

ACCESSORIES		
①	SB 10	
②	Stitch Metal Fasteners (M10x25)	
③	Stretch Tracks Perimeter half - wrap	
	Stretch Tracks Perimeter full - wrap	
	Stretch Tracks Mid - Seam	
	Stretch Tracks Outer Corner	
④	Stitch Staple	
⑤	Acoustical Core	
⑥	Synth PF	
⑦	Stretch Cara	
⑧	Stick S7	



1.01 Scope

A. Supply and install **Stretch Cara** Wall System as manufactured by **Anutone Acoustics Limited Bangalore – India** and as required by the Contract Documents.

B. Related Work Elsewhere

- Preparation of smooth, flat and plumb substrate.
- Architectural Woodwork, Masonry, Doors and Frames, Hardware, Gypsum Drywall, Plastering, Ceilings, Wall Covering Painting and Electrical Work.

1.02 Standards

The **Stretch Cara** Wall System shall have a Fire Hazard Classification of Class 1 or A when tested in accordance with ASTM E-84 or UL 723.

1.03 Qualifications

The installation work of this section shall be performed by an authorized applicator, licensed by the manufacturer.

1.04 Quality Assurance

- The fabric shall be stretched tautly over the subsurface and the **Fabric Track** System framework without the use of glue.
- The fabric border shall be inserted completely into the clamping jaws of the **Fabric Track** framework creating a clean crisp appearance devoid of raw edges or loose threads.
- The fabric shall be installed from the face side after the framework is securely fastened to insure perfect horizontal and vertical grain alignment.
- The fabric shall be removable and replaceable for changeability and to provide access to the surface behind the fabric.
- The framework shall not “read through” the fabric.
- Acoustical core shall be installed beneath the face fabric in the event a translucent fabric has been specified.

1.05 Submittal

- Submit manufacturer’s product specifications and such other data as may be required to show compliance with the Contract Documents.
- Submit in writing to the Owner, through the Architect, the manufacturer’s dealer certification.
- Submit installation Dealer’s Limited Warranty against defects in the **Fabric Track** materials and workmanship.
- Installation applicator shall submit a list with a minimum of five (5) comparable installations.

1.06 Product Handling

- Store all materials off the ground and protected from dirt and dust of construction operations.
- Handle materials in a manner that will protect them from damage and soiling.



PRODUCTS

2.01 Acoustical or Trackable Wall Treatment System

- A. The system shall consist of site installed and fabricated, concealed **Stretch Cara** System as manufactured by **Anutone Acoustics Limited**
1. The System Components shall consist of the following: Rigid vinyl framework with clamping jaws, as indicated in drawings (Select correct thickness below, eliminate others not used)

Stretch System is available with the following edge profiles. (Select the correct profile below)

- Perimeter Track Half wrap
- Perimeter Track full wrap
- Mid seam Track
- Outer Corner Track

Stretch System is available with the following sub-surfaces (underlay).

- **15mm** Strand with **10mm** Synth
- **25mm** Strand with **10mm** Synth

- B. Fabric: Shall be approved by the consultant / applicator for its suitability. The Manufacturer shall submit the following information concerning to consultant / applicator
- Fabric Manufacturer
 - Width of Fabric
 - Contents
 - Color
 - Flame Retardant
 - Sample of fabric (at least 300mm x 300mm)
 - Built up samples (300mm x 300mm)

Architectural Woodwork, Masonry, Doors and Frames, Hardware, Painting, Ceiling Grid, Electrical Work. etc

3.02 Installation

- A. Field measure each wall area, which is to receive the Stretch Cara treatment to establish the exact layout of the units as shown on elevations.
- B. Install SoundBase 10mm by using Stitch fasteners at every 300mm c/c in the areas to receive Stretch Cara wall coverings as shown on the drawings. Stretch Tracks are then installed on SoundBase with suitable mastic and Stitch heavy duty, one-inch diverging staples at every 25mm centers on both sides.
- Other fasteners may be used as required for specific substrates, providing they are in strict accordance with the manufacturer's printed instructions and comply with governing regulations and fire resistance rating requirements specified.
- C. Check Installed Stretch Tracks for plumb and straight, flush in proper alignment.
- D. Install the core materials (Strand & Synth), continuous and flush, to the shoulder of the track.
- E. Cut the fabric from each roll marking and maintaining sequence drops and matching direction weave for sequential and uniform installation.
- F. Install the fabric from the face side after the framework is securely fastened to insure perfect horizontal and vertical grain alignment.
- G. The fabric shall be stretched tautly, evenly and smoothly and be free of defects and flaws.
- H. No stapling or gluing of fabric to cores or channels will be permitted.
- I. Penetrations through the face of the fabric of any kind (I.e. staples, nails, etc.) will be prohibited.
- J. Pre wrapped, prefabricated or wood ground systems do not meet the intent of this specification.
- K. Installation shall be timely and applicators shall be courteous and cooperate with other trades.

3.03 Cleaning and Protection

- A. Clean exposed surfaces of acoustical wall panels. Trim and remove all loose threads.
- B. Remove surplus materials, rubbish and debris resulting from the Stretch Cara installation and eave areas of installation in a neat, clean condition.
- C. If site conditions require, cover fabric panels with vinyl drop cloths.

EXECUTION

3.01 Existing Conditions

- A. Examine the condition of the substrate and the conditions under which the work of the Section is to be performed. Notify the Contractor in writing or any unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner satisfactory to the installer.
- B. Do not install acoustical wall panel fabric in any space until:
- The space is enclosed and is weather tight.
 - All wet work has been completed and is dry.
 - Painting is completed and wall base and floor covering installed.
 - All adjacent and related work of other trades has been completed including, in part

Tender Specifications

Supply and Installation of Stretch Cara system, consisting of SoundBase 10mm thick, rigid vinyl Stretch Tracks and core materials with requisite accessories & tools.

SoundBase SB10 is first installed on the masonry wall or Strut (for more airgap) by using Stitch fasteners at every 300mm centres in a staggered pattern. SB10 shall be fixed on marked lines where tracks are to be installed.

Stretch tracks are then installed on SB10 by unpeeling the Base Tape and Stitch heavy-duty diverging staples at 25mm centers on one/both sides of Stretch Tracks.

Install Core – Strand panels first between SB10 by using Stitch fasteners and Synth PF is then friction fitted with light spots of Stick S7. The adhesive spots can be 50mm dia dabs at 300mm centres.

Cara fabric is then aligned to the Stretch tracks by following the fabric thread line or pattern. The Cara fabric is stuck on the Align Tape (by removing the protective cover) at the same time as being stretched and tucked into the Stretch tracks with the tucking tools.

The Colour Variants



Glass EJ004



Argyll EJ167



Skye EJ168



Clan EJ169



Fife EJ170



Spray EJ033



Arran EJ171



Dolphin EJ105



Charn EJ006



Sand EJ111



Opal EJ136



Ivy EJ106



Tay EJ010



Laggan EJ019



Austen EJ173



Chaucer EJ172



Elgin EJ042



Mull EJ012



Lothian EJ176



Highland EJ093



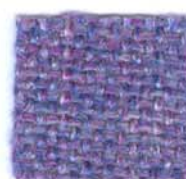
Portland EJ016



Hogmanay EJ174



Inverness EJ175



Iona EJ041



Pitlochry EJ076



Lead EJ104



Carron EJ015



Galilee EJ125



Angus EJ178



Tartan EJ177



Merrick EJ048



Etire EJ014



Cluanie EJ180



Adriatic EJ154



Scott EJ179



Black EJ138



Persian EJ146



Miller EJ182



Walten EJ011



Tummel EJ038

Material Specifications

Technically, a typical Stretch Cara wall panel system comprises visually appealing track material, and acoustically performing core material. Each of these material will have two components, in addition to the surface finish and a special adhesive. The specs of these materials, for a typical model, are:

Sl#	Description	Stretch Cara
1	Thickness (mm)	25 (add 10mm SB for masonry walls)
2	Size (mm)	Single span upto 1200 x 25000
3	Core	Strand / Synth PF
4	Nominal Density (Kg/m ³)	NA
5	Weight (Kg/m ²)	380 gsm
6	Edge	Square
7	NRC / STC	Upto 0.85
8	Fire	Class A
9	Moisture Resistance (%)	RH 95
10	Light Reflectance (%)	Color Dependant
11	Warranty	5 years
12	Installation	Vinyl Tracks
13	Color	12 Colors
14	Maintenance	Vacuum

Bill of Quantities (BoQ) - 100m²**

#	Description	Units	Stretch Cara	
			FS25	FS15
1	SB10*	ml		178
2	Stretch Track Half Wrap	ml		48
3	Stretch Track Full Wrap	ml		48
4	Stretch Track Mid Seam	ml		76.8
5	Stretch Track Outer Corner	ml		4.8
6	Strand 400x10	m ²		100
7	Synth PF 5x5	m ²		100
8	Spun Cara Fabric	m ²		100
9	Stick S7	Lts		35
10	Stitch wall fastener M10 x 25 mm*	Nos		LS
11	Stitch Staple	Nos		LS
12	Labour	hrs		4
	Estimated Installed Cost / m²	₹		

* may be excluded for non-masonry walls

** considered Length 42m & Height 2.4m

Abbreviation – lm - Linear meter, m² - Square meter, Ltr - Litre, LS - LumpSum, hrs - Hours

* The above indicated values are very approximate and dependent on several variables. They are for guidance only and subject to change without prior notice.

References

Office

Accenture
Cisco
Cypress Software
GE Money
ISRO HQ
July Systems
Microland
Mphasis Software
Satyam Computers
Sony
Swiss Re
TCS
ISRO MCF
Reliance
Atomic Power Station
ACC Training Centre
Accenture
Mandke Foundation
Infosys
Hyde Park
Melan India
Singnate
VSNL

Bengaluru
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Bengaluru
Bengaluru
Bengaluru
Bengaluru
Bengaluru
Hassan
Kakinada
Kalpakkam
Mumbai
Mumbai
Mumbai
Mysuru
Pune
Pune
Pune
Pune

Auditorium

ISRO HQ Bengaluru
Visvesvaraya Technical University Belgaum
Shri Vidhya Vidhyalaya College Dharmapuri
Zuari Industries Goa
PES College Kuppam
Aditya Birla Hospital Mumbai
Gaiety Theatre Simla

Cinema

Fox Cinemas Kisumu, Kenya
Cultural Centre Arusha, Tanzania

Education

Doon School Dehradun
Balaji Institute Pune

Public Spaces

International Convention Centre Bengaluru
International Convention Centre Pune

Studio

Telescreen Studios Hyderabad
Manuu TV Hyderabad
Star TV Studios Mumbai
Suncity Studios Mumbai
Sound Space Lonavala
CSIR / CDRI Lucknow
CSIR / ITRC Lucknow
CSIR / CSIO Chandigarh
CSIR Studios New Delhi
CSIR Studios Roorkee
CSIR Studios Dhanbad
CSIR Studios Kolkata

Home Theatre

Dr. Gopalakrishna Saravanan Bengaluru
Chennai

Home

Moriya Estate Mumbai

Industrial

Zuari Industries Goa



Accenture, Bengaluru



Hyde Park, Pune



Infosys, Mysuru



Cultural Centre, Tanzania



TCS, Bengaluru



Satyam Computers, Bengaluru





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