



Projects Division

WORLD CLASS FLOORINGS



An ISO
2009 - 2015
company

About us

Avcon Technics Pvt. Ltd. |

Avcon brand is now synonymous with high quality, innovation, engineered floors, setting benchmark in construction industry. Avcon for past three decades is strong advocate of engineered floors and has been practicing pan-India.

Avcon with vast experience across industry spectrum- light to heavy industries, commercial, institutional buildings, has unmatched data bank on pre-requisites, challenges, operational requirements, performance parameters, to name a few. All the experience and design capabilities are brought into conceptualization and floors are delivered. Floors come with customized design and materials specifications with optimized cost. Avcon has proven time and again that high specifications are not high cost, but cost savings.

Avcon has a proven track record of providing sound technical solutions that balances the requirement of compliance & business needs, that are delivered through a vast resource pool of experienced manpower, variety of materials & advanced machines, tools and tackles. Our flooring projects and solutions have become benchmarks in flooring industry and case for references and specifications. The continual association with some of the biggest brands is a testimony to the Avcon' excellent performance.

Quality |

Avcon in the only flooring company in India and one of the few globally to have ISO 9001:2015 Certification for Design & Engineering, Projects Execution and Manufacturing of Flooring, Rigid Pavements & Products for Flooring. Avcon is committed to offering consistent quality in projects and in products.



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Avcon Leadership Team |

Avcon is headed by **Mr Ajay Singam**, who had pioneered the concept of Engineered Floor in India, has been providing the solutions to flooring industry for more than Three Decades.

With wide experience and penchant for Research & Development, AVCON has basket full of Flooring Products catering to new floors, Screed Mortars, Floor Repairs, Re-coating, levelling etc.

SuperFlat Flooring for High-Rise, VNA, ASRS and FM2 Standard Warehouse Floors

In today's world, efficient logistics is very vital for the growth of any industry and with advancement in Warehouse Management Technology, the flooring requirement has undergone a sea change.

In case of High-Rise Racking, which can span up to 40m or more & narrow aisle racking or in dense racking system, the floor flatness could be Super-Flat, DM1 or DM2 and the floor has to be designed to suit the requirements of function as well as loads which often varies for racking, MHE vendors.

Avcon, with its Engineering strength and years of experience in Design and Execution of Super-Flat, DM1 or DM2 floors, offers the best maintenance free solution to the industry.

Till date, Avcon has executed number of projects for Racking up to 35m, Floors suitable for VNA & ASRS systems.



Super Flat Floor for 30m High Racking with ASRS

Standard Warehouse Flooring, where racking height is up to 15m will require either FM1 or FM2 Finish and Avcon has mastered the art of offering the most suitable designing and engineering solution to warehouse floors exactly to suit the requirement as per international standards.



Warehouse for Food Processing unit



Typical warehouse floor for retail, multi-use warehouse floor installed & in use for more than 8 years

Flooring for Manufacturing & Engineering Industry

Flooring for Manufacturing & Engineering Industry need to be understood well considering the complex nature of processes. Each industry has different process flow which requires various machines and thus each type of industry needs different approach to design and engineering of floor. Translating the manufacturing process and erections to floor loads is the key component of floor conceptualization in which Avcon specializes.

Avcon has design, engineered and executed projects in;

- ☞ Chemical and Paint industries
- ☞ Automobile, heavy vehicle (earth moving, mining trucks)
- ☞ Tyre industry
- ☞ Logistics, BTS warehouse models
- ☞ Wind mill mfg
- ☞ Industry 4.0
- ☞ Engineering
- ☞ Pharaceuticals
- ☞ Food industries



*Flooring
for Heavy Duty
Equipment
Manufacturing*



*Flooring for
Textile / Garment
Manufacturing
Unit*

*Flooring for
heavy manufacturing
industry with
complete Engineering
& Detailing to suit
the production process*



Special Flooring Solutions

Cold Storage Flooring

Cold Storage Flooring modernisation of Agriculture and evolved food processing industry created a high demand for precise low temperature controlled Cold Storages for various applications.

While designing the floor for cold storage, following needs to be carefully considered.

1. Low temperature operations, up to -20°C
2. Racking system, whether stationary or portable
3. Movement of MHEs
4. NO damage to flooring for long period owing to difficulty in Floor repairs at such low temperatures.

Avcon can offer best solution of floor design & execution for cold storages as per the requirement which will provide a very long life.



Engineered Flooring For Movable Cold Storage Racking

Conductive Concrete Flooring: Avcrete ESD - LMC

Avcon is the only company in India to offer Conductive Flooring which is extensively used for **Defence Installations, Data Centres & Electronics Manufacturing Industry.**

AVCRETE –ESD-LMC is Pre-Mixed & Pre-Blended screed which can be laid on existing floor with high wear resistant properties. System meets the requirement Conductive overlay over new floors and as refurbishment with conductive properties of old damaged floors.

AVCRETE –ESD-LMC is indigenously developed Conductive floor screed mortar tested for Electrical Resistance at CPRI under Ministry of Power for compliance under BS 2050-1978, Clause A.4.1.

Applications

- Aerospace detonator handling
- Weapons and ammunition
- Blasting agents used in automobile airbag manufacturing
- DOD, Military & Military ordinance areas
- Engineering labs
- Electronics manufacturing & testing facility
- Data centres
- Energetic Devices

Special Flooring Solutions

Engineered Screed

Screed has very special space in building construction as it is finishing layer and also has to perform as per the requirement.

Avcon offers Engineered Screed as per the requirement considering Loads, Usage & Applications including design considerations for base structure. Till date, Avcon has successfully executed number of projects offering customised solutions for each type engineered screed. Some of the applications are Convention and Exhibition Centre, Internal Roads, factory applications etc.



Engineered Screed for Convention and Exhibition Centre

Deck Slabs

Deck slabs are extensively used for various applications like office, processing centre or light manufacturing area.

Due to its unique structural design & construction, the flooring on Deck Slab is tricky and needs to be done with utmost care. Avcon can offer best solution for the deck slab flooring.



Deck Slab for Manufacturing Industry



Detailed Engineering for Deck Slab Flooring

UL Screeds

The recent development in fixing procedure for stones and also for other floor finishing systems, the precision in levels is very important. Avcon, with its expertise in screed technology offer ready to use (packaged products) for applications in building environment with limited mobility, constraints and need for quality sub-base.

Besides Stones fixing, UL Screed can be used as filler material between the mother slab and finishing material like Self Levelled System, Carpets, Wooden Flooring, Vinyl Flooring etc.

Rigid Pavements

Design & Built Solutions for Rigid Pavements (Concrete Roads) and Parking Area for Factories and Warehouses & Truck / Heavy Parking Areas.

Avcon has capacity to offer best and economical solution for internal roads of any unit which needs a special design consideration.

With use of appropriate National, International Standards, Avcon offers very economical and warranted solutions for external hardstands, pavements, parking lots.

Avcon has proved its ability to offer savings to the customer by providing design solutions to number of customers.

UTW Solutions was first implemented by Avcon in 2005 for upgrading flexible pavement capacity of industry. Till date the pavement is functioning without any maintenance. Avcon designed and implemented UTW pavements before it was adopted as code in IRC and implemented by government bodies across India.



RIGID PAVEMENTS



RIGID PAVEMENTS

Floor Repair Services

Avcon has an expertise to study and offer best possible longterm solution for damaged floors using their expertise and bucket full of products to suite every requirement. Some of the products are....

Repair Mortar AVCRETE LMC

Micro-concrete MC40 & MC60

Crack Repair Grout



Vision

Provide structured approach to deliver unmatched consistency of products, processes and projects
Continual upgradation of products & processes based on project experiences, research & development & international alliances.
Create a work culture which encourages honesty, integrity, dedication and above all passion for work.

Mission

Be the global player in design & installation of high-performance flooring & quality pavements with excellent durability and ride quality
Establish AVCRETE Product Range in floor refurbishment & structural strengthening as a benchmark in quality & a leading brand
Continuously provide better solutions to flooring industry through development of new products
Build long term client, vendor partnership to achieve derived output

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