



AIYARA TEXTILE

# Carpet Collections

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Technical data sheets for the Taj, Zahra, Sarab,  
Sadu, Safa and Majlis collections

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# About this document

This pack sets out the construction, materials and performance of the six carpet collections we make at our factory in Bhadohi, Uttar Pradesh. It is written for interior designers, specifiers, purchasing teams and installers who need more than a product photograph before they commit to an order.

Every piece we make is produced to order. The collections give a starting point for design, construction and colour, but size, shape, colour and in most cases pile height can be changed to suit a project. Where a value depends on the final specification, the table says so rather than quoting a single number.

## How to read the data sheets

- **Construction** describes how the pile or weave is made: hand-knotted, hand-tufted, handwoven flatweave or machine-woven. It is the single biggest factor in price, lead time and appearance.
- **Face fibre** is the yarn you see and walk on. Backing materials are listed separately.
- **Pile height** is measured from the top of the backing to the tip of the pile. **Pile weight** is the mass of yarn above the backing per square metre. Both are measured on the finished piece.
- **Sizes** are made to order. Tolerances for handmade carpets are listed in section 6.
- Values shown like this **To be confirmed** are being checked against production records and will be filled in for the next edition. Until then, we confirm them in writing with each quotation.

## Certifications and registrations

|                      |                                                                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quality management   | ISO 9001:2015, certified by ICV Assessments. Scope: manufacture of hand-tufted, hand-made and hand-woven rugs in wool, jute, viscose, bamboo, silk and cotton with azo-free dyes. Valid until January 2029. |
| Chemical compliance  | REACH certificate of compliance (EU Regulation 1907/2006), issued by Euro Cert. Valid until January 2029.                                                                                                   |
| Dyes                 | Azo-free dyes are used for all dyed yarn, as stated in the scope of both certificates above.                                                                                                                |
| Export registrations | Importer-Exporter Code, Directorate General of Foreign Trade, Government of India. Member of the Carpet Export Promotion Council (CEPC), New Delhi.                                                         |

Copies of these certificates are on the Sustainability page of our website and can be sent with any quotation.

## Contact

|                              |                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carpets (India)              | Aiyara Textile Manufacturing Private Limited<br>Head office: Silvassa, Dadra and Nagar Haveli, India<br>Factory: Bhadohi, Uttar Pradesh, India<br>Phone: +91 91737 22468, Mon to Sat 9:00 to 21:00 (GMT+5:30)                                                 |
| Furniture fabrics (Thailand) | Aiyara Textile Manufacturing Co., Ltd.<br>157 Sirilert Building, 4th Floor, Room 404, Phetkasem Road, Nong Khang Phlu Sub-district, Nong Khaem District, Bangkok 10160, Thailand<br>Phone: +66 62 336 5551, +66 93 549 7800, Mon to Sat 8:30 to 18:00 (GMT+7) |
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# 1. Constructions at a glance

We work in five constructions. Each one suits a different budget, traffic level and type of design. The table below is a short comparison; the collection sheets that follow give the detail.

| Construction        | How it is made                                                                                                                          | Best suited to                                               | Design freedom                                                             | Collections  |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------|--------------|
| Hand-knotted        | Each knot is tied by hand around pairs of warp threads, then the pile is cut to height. No glued backing; the knots form the structure. | Private residences, majlis, heirloom and statement pieces.   | Very high. Fine curvilinear detail; detail improves as knot density rises. | Taj          |
| Hand-tufted         | Yarn is shot through a stretched primary cloth with a hand-held tufting gun, then locked with latex and a secondary backing cloth.      | Living areas, suites, lobbies, feature rugs.                 | Very high. Any artwork; carving and mixed pile heights possible.           | Zahra, Sarab |
| Handwoven flatweave | Weft yarn is woven by hand through the warp on a loom. No pile; both faces are usable on many designs.                                  | Dining rooms, layered schemes, lighter-use areas.            | Moderate. Best for geometric and banded designs.                           | Sadu         |
| Natural fibre       | Jute, sisal and undyed wool, handwoven or braided into textured weaves.                                                                 | Relaxed interiors and natural material schemes in dry areas. | Moderate. Texture-led, limited colour.                                     | Safa         |
| Machine-woven       | Woven on power looms to a programmed pattern, giving tight, repeatable detail.                                                          | Hotels, corridors, ballrooms, large-volume projects.         | High for repeating patterns; colour count limited by the loom.             | Majlis       |

## Choosing a construction

Traffic and budget usually decide the construction before design does. A hand-knotted rug will outlast most other floor finishes in a home, but it takes longest to make and costs the most per square metre. Hand-tufting gives almost the same design freedom in a fraction of the time, and is our most requested construction for hotel suites and residences. For corridors and public areas that see thousands of footsteps a day, a dense machine-woven carpet is the practical choice.

If a project mixes uses, it is common to specify more than one construction with the same colour palette, for example a hand-tufted rug in a lobby lounge and a machine-woven carpet in the corridors that lead to it. We can colour-match across constructions within the limits described in our Colour Reference Chart.

## 2. Collection data sheets



Taj (crown). Hand-knotted.

### Taj

Classic medallion and all-over designs, knotted by hand for palaces, majlis and private homes. Taj is made to be used for decades and handed on.

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Construction     | Hand-knotted, cut pile                                          |
| Face fibre       | Wool, or wool with silk highlights                              |
| Foundation       | Cotton warp and weft; no glued backing                          |
| Knot density     | To be confirmed                                                 |
| Pile height      | To be confirmed                                                 |
| Pile weight      | To be confirmed                                                 |
| Sizes and shapes | Made to order. Rectangular, square, round and oval.             |
| Edge finish      | Hand-overcast sides; fringe or bound ends                       |
| Colour           | Standard colourways or custom, specified in ARS 1400 Wool codes |
| Lead time        | 4 to 8 weeks by area, plus shipping                             |
| Use              | Residential and light commercial                                |

Silk areas take colour and light differently from wool. Expect a visible sheen that shifts with viewing angle; this is a feature of the fibre.



Zahra (blossom). Hand-tufted, hand-carved.

### Zahra

Flowing florals and acanthus scrolls, tufted by hand and carved so that each petal and leaf stands slightly proud of the background.

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| Construction     | Hand-tufted, cut pile with hand carving                         |
| Face fibre       | Wool, with viscose or bamboo silk accents                       |
| Backing          | Cotton primary cloth, latex, cotton secondary backing           |
| Pile height      | To be confirmed                                                 |
| Pile weight      | To be confirmed                                                 |
| Sizes and shapes | Made to order. Rectangular, round and shaped outlines.          |
| Edge finish      | Bound or serged                                                 |
| Colour           | Standard colourways or custom, specified in ARS 1400 Wool codes |
| Lead time        | 4 to 8 weeks by area, plus shipping                             |
| Use              | Residential, hotel suites, lounges                              |

Viscose accents give a high sheen but mark more easily than wool. For dining areas or heavy use, ask for the all-wool version.



Sarab (mirage). Hand-tufted, contemporary.

## Sarab

Abstract designs drawn from dunes, water and stone, with soft colour changes across the rug and a sculpted high and low pile.

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| Construction     | Hand-tufted, cut and loop pile, multi-level                               |
| Face fibre       | Wool with viscose or bamboo silk                                          |
| Backing          | Cotton primary cloth, latex, cotton secondary backing                     |
| Pile height      | To be confirmed                                                           |
| Pile weight      | To be confirmed                                                           |
| Sizes and shapes | Made to order, including free-form and cut-out shapes                     |
| Edge finish      | Bound; shaped edges hand-finished                                         |
| Colour           | Custom gradients developed from artwork, specified in ARS 1400 Wool codes |
| Lead time        | 4 to 8 weeks by area, plus shipping                                       |
| Use              | Residential, lobbies, feature areas                                       |

Gradient designs are blended by hand, so two rugs from the same artwork will be very close but not identical.



Sadu (Bedouin weaving). Handwoven flatweave.

## Sadu

Bold geometric bands and motifs inspired by Sadu weaving, made by hand on traditional looms. Light, flat and easy to move.

|              |                                                                 |
|--------------|-----------------------------------------------------------------|
| Construction | Handwoven flatweave, no pile                                    |
| Face fibre   | Wool, wool and cotton                                           |
| Foundation   | Cotton warp                                                     |
| Thickness    | To be confirmed                                                 |
| Weight       | To be confirmed                                                 |
| Sizes        | Made to order, including runners                                |
| Edge finish  | Woven selvedge; knotted fringe or whipped ends                  |
| Colour       | Standard colourways or custom, specified in ARS 1400 Wool codes |
| Lead time    | 4 to 8 weeks by area, plus shipping                             |
| Use          | Residential, dining, layered schemes                            |

Use a non-slip underlay with all flatweaves. They are thin enough to move under foot on hard floors.



Safa (serenity). Natural fibres.

## Safa

Textured weaves in jute, sisal and undyed wool, in natural shades or with simple coloured borders.

|              |                                                                        |
|--------------|------------------------------------------------------------------------|
| Construction | Handwoven or braided                                                   |
| Face fibre   | Jute, sisal, undyed wool, in blends                                    |
| Foundation   | Cotton or jute warp                                                    |
| Thickness    | To be confirmed                                                        |
| Weight       | To be confirmed                                                        |
| Sizes        | Made to order                                                          |
| Edge finish  | Bound in cotton or wool tape                                           |
| Colour       | Natural fibre shades; coloured borders to order in ARS 1400 Wool codes |
| Lead time    | 4 to 8 weeks by area, plus shipping                                    |
| Use          | Dry interior areas only                                                |

Plant fibres react to water. Water can leave tide marks on jute and sisal, so these rugs are not suitable for bathrooms, kitchens, entrances or outdoor use.



Majlis (gathering hall). Machine-woven, commercial.

## Majlis

Custom carpets for hotels, ballrooms, corridors and majlis halls, woven to the client’s design, size and colours.

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Construction       | Machine-woven, cut pile                                                 |
| Face fibre         | Wool, wool and nylon blends, or polyester, chosen for the traffic level |
| Backing            | Woven jute or polypropylene                                             |
| Pile height        | To be confirmed                                                         |
| Pile weight        | To be confirmed                                                         |
| Roll width         | To be confirmed                                                         |
| Colours per design | To be confirmed                                                         |
| Installation       | Loose-laid rugs, or wall-to-wall stretch-in or glue-down                |
| Lead time          | 4 to 8 weeks by area, plus shipping                                     |
| Use                | Hospitality, commercial, heavy traffic                                  |

For projects over one room, we prepare a carpet layout plan showing pattern direction, seam lines and roll cuts before production.

### 3. Fibre reference

The face fibre decides how a carpet looks, feels and wears. The table compares the fibres we use. Ratings are relative to each other, not absolute test scores.

| Fibre                    | Character                             | Wear and soil                                                   | Notes                                                   | Used in                               |
|--------------------------|---------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|---------------------------------------|
| New Zealand wool         | Soft, springy, matt to low lustre     | Very good resilience; hides soil well; naturally slow to ignite | Our default fibre for handmade carpets                  | Taj, Zahra, Sarab, Sadu, Safa, Majlis |
| Silk                     | High lustre, very fine                | Delicate; shows pressure marks                                  | Used for highlights rather than whole fields            | Taj                                   |
| Viscose / bamboo silk    | Silky sheen at a lower cost than silk | Marks and crushes more easily; sensitive to water               | Best in low-traffic, dry rooms                          | Zahra, Sarab                          |
| Cotton                   | Matt, smooth                          | Moderate; stains more readily than wool                         | Mostly used for warps, wefts and backings               | All handmade collections              |
| Jute and sisal           | Coarse, natural texture               | Hard-wearing when dry; water marks                              | Dry interior areas only                                 | Safa                                  |
| Nylon                    | Smooth, can be bright                 | Excellent abrasion resistance                                   | Used in blends for high-traffic commercial carpet       | Majlis                                |
| Polyester / recycled PET | Soft, wide colour range               | Good colour; pile flattens sooner than wool or nylon            | Economical option for decorative and residential pieces | Majlis, on request                    |
| Acrylic                  | Woollike, lightweight                 | Fair; can pill                                                  | Decorative and budget pieces                            | On request                            |
| Tencel (lyocell)         | Soft with subtle sheen                | Moderate                                                        | Made from wood pulp in a closed-loop process            | On request                            |

### Shedding and fluff

New wool carpets shed loose fibre for the first few weeks. This is short fibre left from spinning and shearing, not the pile coming apart. Regular vacuuming with suction only removes it, and the amount drops off quickly. Hand-tufted carpets shed more at first than hand-knotted or woven ones.

## 4. Performance testing

The tests below are the ones buyers and specifiers ask for most often. The method column gives the standard the test follows. Results are reported per construction and fibre, because a hand-knotted wool rug and a machine-woven nylon blend behave very differently.

| Property                   | Method                            | What it tells you                                                                              | Result                  |
|----------------------------|-----------------------------------|------------------------------------------------------------------------------------------------|-------------------------|
| Colour fastness to light   | ISO 105-B02                       | How well colour holds under daylight. Rated on the blue wool scale, 1 (poor) to 8 (excellent). | To be confirmed         |
| Colour fastness to rubbing | ISO 105-X12                       | Whether colour transfers to cloth when rubbed, dry and wet. Grey scale 1 to 5.                 | To be confirmed         |
| Colour fastness to water   | ISO 105-E01                       | Whether colour bleeds when wet. Grey scale 1 to 5.                                             | To be confirmed         |
| Pile height                | ISO 1766                          | Height of pile above the backing.                                                              | See data sheet          |
| Pile and total mass        | ISO 8543                          | Grams of pile yarn and of the whole carpet per square metre.                                   | See data sheet          |
| Tuft withdrawal force      | ISO 4919 / ASTM D1335             | Force needed to pull a single tuft out. Important for tufted carpet in commercial use.         | To be confirmed         |
| Dimensional stability      | ISO 2551                          | How much the carpet shrinks or grows after wetting and drying.                                 | To be confirmed         |
| Flammability, small source | ISO 6925 / ASTM D2859 (pill test) | Whether a small burning tablet spreads flame across the surface.                               | To be confirmed         |
| Reaction to fire           | EN ISO 9239-1                     | Radiant panel test used for European fire classes (for example Bfl-s1, Cfl-s1).                | On request, per project |
| Azo dyes                   | EN ISO 14362-1                    | Confirms no restricted aromatic amines from azo dyes.                                          | Azo-free dyes in use    |

Fire testing depends on the country of installation and the type of building. Tell us the requirement at enquiry stage; testing to a specific class is arranged before production with an accredited laboratory.

### Quality checks during production

- **Incoming yarn.** Each lot is checked for colour against the approved standard, count and cleanliness before it goes to the looms or tufting frames.
- **On the frame or loom.** Supervisors check the design against the approved artwork, the knot or tuft density, and pile height at set intervals.
- **After backing or washing.** Pieces are checked for size, squareness, flatness and colour. Hand-tufted pieces are checked for latex penetration and backing adhesion.
- **Final inspection.** Every piece is inspected face and back under daylight-balanced light, measured, photographed, labelled and wrapped.

# 5. Ordering, samples and delivery

## What we need for a quotation

- Collection or construction, and the design (ours, adapted, or your own artwork).
- Finished size and shape for each piece, and the number of pieces.
- Colours: ARS 1400 Wool codes (preferred), a physical sample, or another colour reference such as Pantone TCX or NCS. Our Colour Reference Chart explains the ARS system.
- Where the carpet will be used, and any fire, acoustic or slip requirements.
- Delivery address and the date the carpet is needed on site.

## Samples and approvals

A 40 x 40 cm sample is available so you can check the quality before ordering.

For custom work we prepare a colour submission of yarn dyed against the ARS poms for approval first. Once colours are approved, a strike-off sample can be made to confirm construction, texture and carving before full production. Production starts only after written approval of the artwork, colours and, where made, the strike-off.

## Minimum order

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| All constructions         | Depends on your project requirements, as stated in each quotation |
| Custom colour development | To be confirmed                                                   |

## 6. Tolerances

Handmade carpets are made by people, not machines, and small variations are part of their character. The figures below are the limits we work to. They will be confirmed in the order acknowledgement.

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Size, handmade        | To be confirmed                                                                                               |
| Size, machine-woven   | To be confirmed                                                                                               |
| Colour between pieces | Same dye lot within one order. Different dye lots may vary slightly; order all pieces for one space together. |
| Squareness            | To be confirmed                                                                                               |

## Payment and shipping

50% advance payment to confirm the order, and the remaining 50% when production is finished. Shipping terms are CNF (cost and freight). Our carpets carry a warranty of up to 5 years.

## Packing and documents

Rugs are rolled face-in on a core, wrapped in polythene and outer woven bags, and labelled with order number, design, size and destination room where provided. Each shipment travels with a packing list and commercial invoice; certificates and test reports can be added on request.