

## **DEFINITIONS AND SELECTION CRITERION OF THE CONTRACT CARPETS**

**Definitions of Contract Carpets :** Wall-to-wall carpets provide almost limitless choices regarding the selection of color, pattern and tissue selection. Due to the flexibility and advanced advantages, wall-to-wall carpets are particularly preferred as the floor covering material of the project (contract) applications. Special construction carpets that are manufactured in accordance with the needs of touristic facilities, hotels, offices, restaurants, stores, banks, hospitals, commercial and social places are named as **“Contract Carpets”**. Being suitable for the intended use, being aesthetic and being easy to maintain are the most important details of selecting a



contract carpet. It is necessary during the selection of floor covering to be objective regarding the aesthetic concerns and product performance. It is inevitable to select the product in accordance to the place where it will be used. In the light of this information it is clear that the most proper floor covering for contract application is the contract carpets. **It is**

**impossible for a quality contract carpet that has been properly selected in accordance with its intended use to be eroded in the normal usage conditions.**

The main reason of the selection of contract carpet is the relation between “quality” and “cost”. “Obtaining a quality product at a cheap price” is a preferable way. However, the person to determine the selection criteria should be cautious about the low cost choices. It must be noted that a quality product should have advanced particularities and advantages. Thus, if the carpet maintains its appearance of first day and its performance, this would add value to your low cost investment.



Our target group and application areas for the carpets manufactured by TURKFLEX are hotels, touristic facilities, official or private sector buildings, hospitals, banks, universities, airports, entertainment centers, etc. areas.

**Advantages of Contract Carpets :** Contract carpets provide an excellent advantage combination compared with other floor covering options. The carpet has a nice and warm appearance. It provides pattern, color and tissue options that complete the preferred decoration style. It gives an excellent sensual intimacy.



It creates a soft, safe, healthy, warm and comfortable ambiance. It reduces the noise level of the environment and provides insulation against the heat abduction.

**Easy Installation :** The carpet is easily installed and it can be applied to all kind of floor surfaces. Therefore, it is the most optimal choice as it provides time and cost saving for especially hotel and mass housing projects. Rolling a carpet out and installing a carpet are different applications.



**To be able to get a long term performance from the carpet, the carpets should be installed with proper methods and in accordance with the instructions of the manufacturer.**

Two methods that are most frequently used in the installation applications of wall-to-wall carpets; bonding and installing over base with an underlay. One of both of these methods can be applied according to the performance expectation and sizes of the area to be covered. Directly bonding method is the best choice for the areas where size stabilization is critical or for



areas exposed to the wheeled traffic. Installation over the base with an underlay is most convenient for more softness expectation and for the areas where extra noise is wished to be reduced. **No matter which method is preferred, the installation should be applied to the smooth, dry and clean floor by the expert installation personnel.**



**Low Maintenance Cost** : The maintenance of contract carpets is easier and cheaper than other floor covering systems. Good quality contract carpets save maintenance costs up to 30%.

**Acoustic Absorptivity** : Contract carpets eliminate the footstep, eco and resonances. It creates a quiet, peaceful, calm and more productive environment. The acoustic tests proved that carpets absorb ten times more the atmospheric sounds.

**Heat Insulation** : Carpet is the most useful material for the heat insulation. Contract carpet usage might provide energy saving up to 5%. It is much easier to warm and maintain the heat of the carpet installed areas.

**Security** : Hard floor coverings (especially when they are wet) may be slippery and dangerous. Therefore, carpet is the safest floor covering. Thus, it reduces the accident possibility and damage that might result from accidents.

**Health** : Contract carpets that have been chosen in accordance with the intended use and cleaned and maintained with the proper methods on an regular basis do not contain bacteria and/or germs. The atmospheric dirt (flying dust corpuscles) on the carpet installed area is two times less than the hard floor coverings.

**The tests made by international industrial research center proved that the carpets do not contain bacteria or harmful substances.**

**Orthopedic Comfort :** A soft and flexible carpet surface gives a mattress affect. It helps preventing the back and joint pains as it distributes the body weight in a balanced way. A quality contract carpet contains advanced added value and low cost advantages. Total user cost of



contract carpets is extremely low. Total user cost includes the product cost, installation cost and maintenance and product life. Industrial studies have proven that total user cost of the contract carpet floor covering is almost 25% less than the other floor covering systems.

**Contract carpets combine the high performance and easy maintenance advantages with limitless design choices. Contract carpets gives notability and prestige to a facility.**

**Technical Specifications of Contract Carpets :** Contract carpets of nowadays are the product of high technology. Fiber technology and important developments in the carpet manufacturing



techniques provide the opportunity of producing carpets completely convenient with the intended use. The most important markets for contract carpets are touristic facilities and hotels. We can list the carpets need of a hotel under “rooms”, “halls”, and “general areas” titles. While choosing the carpets “usage area and intended use, resistance, “maintenance options”,

“decorative and aesthetic concerns” should be balanced and later the carpet should be selected.

The nature of the area to be covered with carpet is very important while selecting a carpet. The performance and maintenance needs of the carpets should be analyzed properly and it should be noted that there are different traffic levels in different parts of a building.

Considering the budget of the project, 800-1000 gr/m<sup>2</sup> for rooms, 1000-1200 gr/m<sup>2</sup> for halls, 1200-1400 gr/m<sup>2</sup> for general areas could be convenient. The carpets in the bedrooms should be luxurious but it should be noted they will be used less compared with the carpets to be selected for the general areas.



There are constant and linear movements in the corridors. As luggage, service charts, etc. wheeled equipments use these areas; they require more

resistance compared with the bedrooms. Bar and restaurants should have maximum level of resistance against dirt and stains. In case of necessity, the carpets in different feature and quality might be used within the same area. All these options are determined by considering the status, needs of the facility and budget of the project.

High performance contract carpets should absolutely used for the areas under intense traffic level. Therefore, it is necessary to consult specific sales point performing contract carpets or manufacturer.

**Any carpet in the market is not contract carpet. Contract carpets must be convenient with intense usage.**



It is necessary for a carpet to have some features to be considered as a contract carpet. Some of the technical specifications are integral parts of the contract carpets.

**Durability (Traffic Level) :** The first phase of selecting contract carpet is to analyze the current and expected traffic intensity. If the area is redecorated, wearing corrosion in the ancient carpet is a good guide. Generally, there are three kinds of traffic levels.

**Heavy Traffic :** Heavy traffic is defined as the areas subject to constant and intense level of linear or circular traffic and that contains dirt coming by walking and scrap potential. Hotel lobbies, restaurants, entrance and halls of sales stores, school, and parking lots are the typical heavy traffic areas.



**Medium Traffic :** It is generally defined as the locations exposed to walking in the same direction and convenient for dirt-scrap transfer. Open offices, banks, hotel halls and museums are the areas having this kind of intensity.

**Low Traffic :** This is for the locations that are rarely subject to linear traffic and contain low risk level of dirt-scrap transferred by walking. Houses, private offices, conference halls, hotel bedrooms, galleries and libraries are the examples of this kind of areas.

It is necessary that the carpets to be installed to the area which requires intense usage of wheeled chair or other wheeled equipments (service cars, etc.) to be designed in a manner not preventing the wheels from turning and that the fiber to be determined in accordance with this traffic.

If wheeled chair or equipment is constantly used in the same spots (under the secretary tables, etc.) using some agents preventing the wearing effect of the wheels will be useful. It is possible to find this kind of agents at carpet selling stores, hypermarkets or at construction materials selling stores.



**Dust, Dirt and Stain Performance :** It is very easy to detect the areas requiring special protection against dirt and stains. Entries, ways in the direction of the commonly used halls, areas where food and drink is served require more protection against dirt and stains.

Contract carpets that provide advanced protection against stain and dirt should be preferred for these areas. It must be noted that these carpets have a lot of advantages and that they could be easily cleaned.

Dirt and stains are different effects. Any kind of textile gets dirty depending on time and usage.



Stain is a local effect and its results will be different according to the type (kind) of the substance causing the stain.

If proper cleaner and methods are used, some stains can be removed but some of them might be permanent.

**It would be useful to create “dirt barriers” especially in some critical areas such as entrance door (having intense dirt risk) but it is not possible to manufacture a stainless carpet; same thing is valid for any textile product.**

Choosing proper fiber and production method, medium tone color, irregular pattern choice and daily point cleaning programs could help minimizing the visible effect of pollutant. Advanced particularities of the fiber used in the contract carpets and applied dirt and stain convertors are combined and this creates an excellent performance.

Contract carpets have a very advanced resistance regarding the issues such as dust, dirt and stains.

**Color deformation is inevitable for the carpets used in the buildings requiring constant cleaning (hospitals, etc.) and the carpets that are subject to chemical agents.**

**Surface Flammability :** The carpets installed in commercial and social facilities should meet the International Flammability Standards. The flame retardancy level of a carpet is affected by; the fiber used, tufting methods, pile stitches, secondary backing, type of the covered floor and adhesive used during the installation. Flame retardancy feature is about the inflammation, deflagration and spreading rate and sizes of the flames.

**Flame retardancy and non-flammable are different concepts and there is not an non-flammable carpet.**

“Non-flammable” expression which is commonly used in the market is not realistic. Like all textile products, carpet fiber is flammable too but the spread tendency of the flame may be controlled. In this concept, the fiber structure should be designed in a manner preventing the flame from spreading and going out without spreading when a flammable material falls over the carpet. This particularity is an important one regarding the spreading tendency and rate of the flame and elimination of the gases released to the environment. A carpet should have “flame retardant” feature to be considered as a contract carpet.



**Electrostatic Properties** : Various electric loads are occurred by the friction of different materials. Buildings with low rate of humidity especially the ones with natural gas and air



conditioner shall increase the electrostatic charge. The limit of detection of the electrostatic charge is 2.0 kV (2000 Volt) for human beings. Therefore, electrostatic feature of the contract carpets should definitely be under this limit (< 2.0 kV).

There are several methods preventing the static electric from occurring in the carpet.

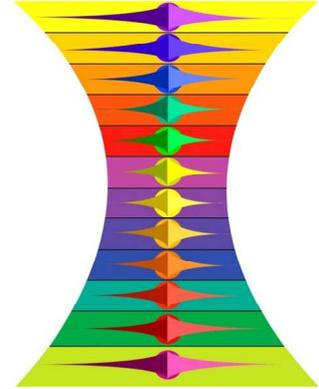
One important point to be noted and to be known; temporary or permanent electrostatic protection providing applications should be known. Higher level of antistatic feature might be provided for the carpets to be used in the Data Proceeding and Communication Centers where the electromagnetic area density is higher.

**Color Fastness** : The tests results within the concept of applicable “TS, EN and ISO Standards” are used as basis for the detection of the color fastness of the contract carpets. In these tests; color fastness to light, color fastness wet, color fastness dry - crock meter method values are calculated. The color fastness to light test is made over 8 scales the other two tests are mode over 5 scales. A good quality contract carpet should have “minimum 6/8” in color fastness to light and “minimum 4/5” in color fastness wet, color fastness dry tests.

**Color deformation can be seen in the buildings where glasshouse effect is high (high rate of glass is used) and in the carpets that are exposed to direct sunlight.**

This condition should be detected and the light value of the areas to be covered with carpet should be analyzed while choosing carpets.

**Design of the Contract Carpets :** Contract carpets provide almost limitless design, color, and pattern and tissue options. Carpet design is the combination of quality, pattern and color. The level of protection of the original appearance of the carpet depends on the preferred fiber and on the carpet type.



Even though it has relative advantages regarding appearance, resistance and cost, optimum combination of these advantages is much more important. Therefore, recently Polyamide (nylon) fiber is preferred for contract applications.

While contract carpets might have extremely simple, smooth and separated designs, they may also have exciting designs and some designs affecting other agents in the environment. The most important criteria in the design are the intended use and intended usage place of the carpet.

Wall-to-wall carpets are based on two disciplines.

**Residential Carpets :** Comfort sense and aesthetic concerns are in the foreground. It is color, pattern, tissue which are convenient for residential decoration and low traffic level. It has almost limitless sub disciplines.

**Commercial (Contract) Carpets :** Resistance is in the foreground. Performance and maintenance needs are designed in accordance with the intense usage (heavy traffic).

Stain resistance is highly advanced. It has some extra advantages such as being easily cleanable, flame retardant and having antistatic features.

Carpets convenient for high traffic should be preferred especially for the areas such as hotel,



holiday villages, business centers and malls. It is also possible to manufacture carpets in much higher class designed for areas subject to heavier traffic such as airports and banks.

**There is not any inconvenience of using the carpets designed for heavy traffic at home but it is not possible to expose the carpets designed for houses to the heavy traffic.**

**Pattern, Color and Tissue :** Especially in cases when the contract carpet is used in large surfaces and when it is the dominant decoration agent; the color, pattern and tissue have very big importance.

The patterns divide the field of vision of the inner area. Large patterns create a narrow area sensation; as for the small patterns, they create a sensation of large area.

The pattern of the carpet has an important role in hiding the dirt and wearing. The carpets with a large floor gap make the stains significant.



Regular (organic, geometric) patterns are more likely to show the dirt; irregular and multi patterns reduce the visibility of the dirt and stains. A light colored carpet shows the area large and airy. Strong and dark colors create a warm atmosphere.



Color is important not only for aesthetic concerns but also for hiding the dirt of the carpet.

Solid and light colors show the dirt of the carpet more easily; dark colors show the light colored hair and dirt. Medium ton colors effectively reduce the visibility of dirt.

Maximum dirt hiding performance is achieved with irregularly dispersed colors or irregular patterns. Multi colored and irregular patterns at medium tons containing carpets provide a balanced performance for the areas that will be subject to average traffic.

#### **WHY TURKFLEX CONTRACT CARPETS..?**

TURKFLEX Contract Carpets are produced with specially designed quality, patterns, colors and **Chromojet™** printing technologies.



Within this context, it performs the manufacture of contract carpets based on **Polyamide 6** which are very different from standard production and at a very high quality by using **Chromojet™**.



Our design team prepares the quantity calculations, determination of product quality according to the intended use, pattern and color selection etc. studies by taking the project needs into the consideration and provides specific solutions to the projects following the proper analyzes.

**The customers of TURKFLEX have the opportunity of using all advantages and technical details specified above. Our wide range of product which is composed of original patterns and colors, experienced application teams, precise and quality service understanding which we make never concessions of are our most important differences...**