



POWERFUL IN EVERY ASPECT

REHAU is the premium worldwide brand for polymer-based solutions in construction, automotive and industry. We use innovative technologies to help the automotive industry in its efforts to make cars that are ever lighter as well as ever more efficient and safe. New Hybrid Plus technology is an example. Visit the Company section of our website to learn more about how REHAU is advancing the processes of product development and innovation.

The choices of outdoor furniture made of synthetic weaving material are abundant these days. But, quality differences are often not visible; making it difficult to decide which material offers the most reliable quality.

REHAU, as a responsible supplier, tests RAUCORD weaving material according to the highest technical standards to make the material is 100% suitable for the outdoor usage.

This RAUCORD quality Guide highlights the important criteria to pay attention to when selecting reliable woven outdoor furniture in order to be sure that the furniture will stay as new for many years.

What should I look out for when selecting woven outdoor furniture?

Material Characteristics	Rehau Material Test	Explanation
Tensile Strength the material has to be strong enough not to break under normal usage.	Tensile strength test Result > 20 MPa	You should attach a weight of 13 pounds to one strand of 0.1 sqinch without breaking. Thirteen strands of material are needed to support the weight of a grown-up man (177 pounds). Look at your woven furniture to see how many strands you can count. Multiply the counted number of strands with 13 pounds to know the strength of your furniture.
UV Resistance the material should not fade or break under the effect of sunlight	Xenon Arc Laboratory test Result: 3,500 Hours	RAUCORD does not show any changes being exposed to UV light and artificial weathering for at least 3,500 hours, which is equivalent to over 3 years of outdoor exposure. Furthermore you can rely on our experience and the fact that RAUCORD furniture has been used by thousands of satisfied customers for more than seven years.
	Resistance to rain Result: NO CHANGE	The material is soaked in bleach acid solution for 2 month to simulate exposure to rain and environmental influence. The material keeps its color perfectly.

Material Characteristics	REHAU Material Test	Explanation
Weather Proof the material should be temperature resistant and able to withstand rainfall	Melting Point Test RESULT: +268 F	The HOPE material used in RAUCORD starts to melt at a temperature above +268 F. Even in very hot conditions your RAUCORD furniture stays robust.
	Thermal expansion 0.00149 sqyard/34 F	3.3 feet of material for example expands by only 0.15748 inch if it is heated to +140 F. That means your furniture will not sag under influence of heat.
	Brittleness temp Result: - 94 F	RAUCORD gets brittle at a temperature of lower than – 94 F. That means you can leave your furniture outside also in the winter time.
	Chemical Resistance chloride, sun potion, citric acids	The material is put into all mentioned liquids for two month. The material does not change its color at all and stays as before.