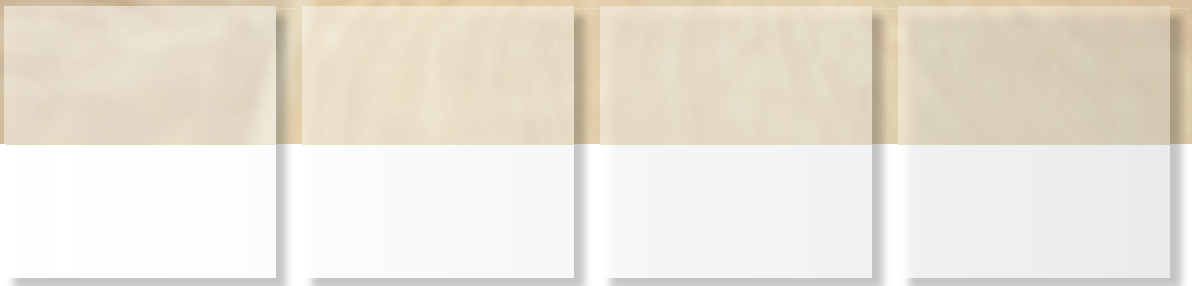




“Teaching an old dog new tricks”



RS-SYSTEM:

The low formaldehyde future

RS-Primer

RSP 94520-Colourtone
10 : 1 RSR 90010

RS-Coloured Lacquer

RSB 9628x-Colourtone
10 : 1 RSR 90010

RS-Multicoat Clear

RSE 9545x dull,
matt, semi matt,
silky gloss, gloss
10 : 1 RSR 90010



RS or Reactive System lacquer is a unique development from Hesse's R & D Laboratory.

The goal for our laboratory was to develop a lacquer free from the hazards of acid curing lacquers. A typical acid curing lacquer releases high amount of formaldehyde, which is classified as a group 1 carcinogen by the International Agency for Research on Cancer. Additionally we wanted a lacquer, which would outperform the AC lacquers in a number of fields in order to achieve:

- Better working conditions in the factories with less health risk for the employees
- Faster overall production time in order to improve cost/benefit through faster drying
- An easy sandable system to reduce sanding costs and working efforts.
- Less waste in the production due to better potlife.
- High Solid levels in the mixed lacquer, reducing the application quantity and therefore reducing overspray with less waste as consequence.
- A system where you have no residual smell for the end customer in the finished furniture
- An outstanding smoothness which is similar to the best performing PU lacquers
- Free from normal phthalate plasticizers, which cause reproductive damage to people. The lacquer should be able to be used for even children's furniture
- Unlike many of our competitors we do not use Methanol in our production. We will not compromise your health at any cost
- And finally the system should also be affordable with a good cost benefit ratio.

Smell is not only caused by the formaldehyde, but also from the solvents used. Play safe!

The RS system is built in a radically different way compared to the acid curing lacquers currently available.

It is built without the use of aromatic solvents, such as Xylene and Toluene, which are hazardous to your health. The extreme low release of formaldehyde is reduced far below the E1 limit (0,1 ppm). That means that the lacquer itself after curing is not contributing to the release of formaldehyde in people's homes. Classic acid-curing lacquers release 10-25 times more formaldehyde.

Play it safe for you and your children.

Phthalates, one of the main anti- androgen chemicals used as softeners (plasticizers) in lacquers, have been blamed for blocking the action of testosterone in the womb and are alleged to cause low sperm counts. Four of them have been abandoned by the EU as, "Hormone disrupting chemicals", and the rest are under "suspicion".

As a responsible company we have responded to this by removing all phthalates from our products, including the RS System, in order to secure our customers health.

The Lacquer

The RS system is a fast drying, multicoat high build system with an elegant surface feel. It is suitable for almost any kind of wood and can be used for interior completion, furniture, kitchens or wherever a highly resistant, high filling lacquer is required.

We produce the RS lacquer for all types of application; from dull to high gloss in clear as well as in pigmented versions.

Formaldehyde

- Formaldehyde is a colourless, strong-smelling chemical produced by catalytic, vapour-phase oxidation of methanol.
- Common sources include building materials (MDF), cigarette smoke and acid curing lacquers.
- When present at levels exceeding 0.1ppm formaldehyde can cause individuals to experience effects such as coughing, wheezing, nausea, skin irritation and burning sensations to the eyes, nose, and throat.
- Classified as Carc 1B (May cause Cancer) and Muta Level 2 (Shown to induce DNA mutations) by the European Parliament.
- Classified as a Group 1 carcinogen by the International Agency for Research on Cancer and the World Health Organisation.
- Research studies of workers exposed to formaldehyde have showed established links to Nasopharyngeal and Sinusal cancer.