Daniel Paul & Marc Schmidt

When is which coating the right one?

Introduction: Coatings in the field of hearing acoustics are not only aesthetically pleasing, but also decisive for the durability of products.

This presentation provides an overview of different types of varnish, their properties and areas of application in order to determine which varnish is most suitable and when.

Relation of the authors to the topic: Daniel Paul is a master hearing aid technician and has been working at egger for around 15 years. Marc Schmidt is a trained dental technician and has worked at egger for 32 years. Thanks to egger's expertise in earmoulds and laboratory technology as well as the practical experience of Mr Paul and Mr Schmidt, the presentation offers a well-founded, practice-oriented perspective.

Precise definition of the topic: The presentation will highlight the development of coating technologies, from cold polymers to modern light polymers and 3D printing technologies. It will show how the demand for coatings has changed over time.

Further focal points:

- Coating types and their properties

- Surface functions: antibacterial, non-slip, gliding

- UV curing and other modern techniques

Assessment of the data situation: The application and selection of varnishes is well documented, particularly in relation to traditional and modern technologies. Light polymers show that they are free of free radicals and thus reduce the need for varnishing.

Open points and future developments in the field: coating technologies will continue to develop, particularly in the areas of curing and skin compatibility.