

Photo examination

High definition digital examination of the silver finish on the dress shows the coating applied to the base material has been disturbed, resulting in a change in appearance. Examination shows adhering a film to the fabric base produces this metallic like effect. The adhesive or bonding agent used to adhere the finish has been adversely affected by drycleaning solution, causing it to separate and be removed during the professional cleaning process, as labeled.

Explanation

The materials used to produce the silver finish are usually formulated to be completely drycleanable. Due to mishaps in formulation or poor selection of the adhesive or bonding agent, the adhesive can be eventually disturbed by abrasion, atmospheric exposure and/or repeated drycleaning, thus causing the finish to separate from the base material. Once it degrades and the bond is weakened the shiny finish does not have sufficient strength to withstand later cleaning. Damage of this type may be progressive with each drycleaning and become noticeable after several drycleanings, or it may show up on extremely defective finishes after just the initial cleaning.

It is the responsibility of the manufacturer to ensure that all materials used to formulate all components of drycleanable fashions of this type are sufficiently resistant to withstand age, use and repeated drycleaning for a reasonable life expectancy without damage.

Conclusion

If this dress is relatively new, then the loss of silver finish is due to quality control deficiencies in manufacture. Otherwise, the degradation of surface finish is due to age and is to eventually be expected over time and repeated care on items of this type.

