

# SP LICING MATERIALS DATASHEET



## DUNLOP SP LICING MATERIALS & SP LICING KITS

The weakest point of any rubber conveyor belt is the splice joint. If the splice joint is not sufficiently strong and durable then failure can be catastrophic. To achieve the best operational results it is essential that the splicing material rubber has very similar physical properties and characteristics compared to the rubber used to make the belt itself including the outer cover rubber and the skim (inter-ply) rubber. This is because each rubber-based component has very specific properties applicable to its function.

Splicing materials must also be a compatible match with the base belt being spliced. This is vital in order to ensure that the most efficient bond possible with good adhesions on both carcass and the transition to the base belt is created. These objectives are usually best achieved by using splicing materials supplied by the original manufacturer of the belt.

**Dundisol** hot vulcanization solution provides the best possible tack characteristics during the assembly of the splice and excellent adhesion levels in combination with Dunlofol once vulcanised.

**Dunlofol** uncured inter-ply rubber is designed for use on the 'steps' of the splice to rebuild the belt carcass.

**Duncover** uncured cover rubber is for use on the top and bottom of the splice to rebuild the belt's cover area.

**Uncured rubberised fabrics** can be provided for use as reinforcements in heavy duty / high tensile splices, for making 'spot repairs' and for speciality splices such as UsFlex and Ultra X finger splices.

### Enerkol Cold Glue & Hardener Cement

For cold splicing of conveyor belts with textile carcass we supply our highly successful 'two-component' (glue and hardener) Enerkol bonding system, which is suitable for abrasion resistant rubber covers. Enerkol is also a highly effective bonding glue for pulley lagging<sup>1</sup>.

<sup>1</sup>For this purpose we advise that a special steel primer is used.

In order to help our customers achieve the strongest, most reliable splice joints, we supply a wide range of high performance splicing materials and splicing kits. A virtually unique feature of the Dunlop range is that it has been developed by the same engineers and technicians who developed the conveyor belts that they are designed to be used on. This means that Dunlop splicing materials and kits are as close to the perfect match that it is possible to achieve. The result is optimum performance in terms of adhesion, dynamic life and efficient application.



SP LICING MATERIALS

## DUNLOP SP LICING KITS

Dunlop supply full splicing kits containing everything necessary to create strong and durable splice joints for a wide range of cover qualities including abrasion, heat, fire and oil resistant versions and different belt types such as UsFlex and Ferroflex. The kits also contain some basic tools for single use purposes. The range also includes standard and pre-formed splicing kits for steelcord belting and complete finger splice kits for both Ultra X1 and X3 belting. All splicing materials and kits can be ordered in bulk quantities.



## DUNLOP — THE SAFEST SPLICING MATERIALS YOU CAN USE

Nobody in our industry works so physically close to rubber conveyor belts than splicing technicians. Yet another virtually unique advantage of using Dunlop splicing materials is that they are compliant with REACH (Registration, Evaluation and Authorisation of Chemical substances) regulation EC 1907/2006.

These regulations stipulate that all European manufacturers are legally obliged to comply with the regulations relating to chemicals, preparations (mixtures) and substances used to create their finished products. The European Chemicals Agency (ECHA) based in Helsinki is the central point in the REACH system. At Dunlop, we see REACH compliance as a vital consideration for anyone responsible for the welfare of those who use splicing materials as part of their daily function.



### Splicing Equipment & Accessories

Professional splicers need professional equipment. Here at Dunlop we can supply a comprehensive range of accessories and equipment including hand tools, siliconised paper, fasteners and mould plates.

## FINGER SPLICING TOOLS AND MATERIALS

At Dunlop we are great believers in the use of a finger splice joint because it retains up to 90% of the tensile splice strength compared to the step splice method, which always creates a proportional loss of tensile strength equivalent of one ply. To help achieve the best finger splice joints we supply a range of professional quality finger splicing tools including templates, edge bar sets and belt skiver sets as well as complete tool kits.

All data and recommendations in this document have been supplied to the best of our knowledge, as accurately as possible and updated to reflect the most recent technological developments. We cannot accept responsibility for recommendations based solely on document.



### SPLICE TRAINING

The Dunlop Academy of Excellence can provide on-site splice training for customers located all over the world.

For more information on this service please speak to your usual Dunlop contact.

## DUNLOP SPLICE SERVICES

Dunlop provides a full range of high quality splicing services. We also supply 'endless' belts for a wide range of plant and machinery. All Dunlop endless belting is produced by highly trained Dunlop personnel working in our European Dunlop facilities using the most up to date technology and top quality Dunlop splicing materials and splicing presses. Unlike rival manufacturers, the work is not sub-contracted out to third parties. We control of the quality of the belts that we deliver to our customers from beginning to end. Splicing is also carried out by our network of wholly owned Dunlop Service centres who in addition to on-site splicing also provide splice supervision, training and on-site labour assistance. All of this is supported by our excellent network of officially approved Dunlop Service Partners.

### ? WE ARE HERE TO HELP

When you buy from Dunlop you get more than just top quality products because Dunlop provides an unrivalled level of technical support and guidance. This is delivered by one of the largest, most experienced and highly trained teams of engineers and technical specialists in the conveyor belt industry.



### ENQUIRES & QUOTATIONS

Please contact your usual Dunlop sales representatives or email:

[info@dunlopcb.com](mailto:info@dunlopcb.com)