



A Simpson Strong-Tie® Company

## APPLICATION INSTRUCTIONS S&P ASPHALT REINFORCEMENT



Using mechanical unroll equipment



**SIMPSON**  
**Strong-Tie**



# INSTALLATION INSTRUCTIONS S&P ASPHALT REINFORCEMENT

## Using mechanical unroll equipment

### REQUIREMENTS

- The contractor is responsible for ensuring a well prepared, clean and contaminant free substrate prior to application.
- Bitumen emulsion must be applied onto the complete substrate.  
*It is recommended to consult national and/or local standards for use of tack coats/bitumen emulsion.*
- S&P Asphalt reinforcement grids may only be installed onto broken emulsion, ensuring that all or most of the water has evaporated.
- S&P Glasphalt® G must be covered with a minimum layer of 4 cm. S&P Carbophalt® G must be covered with a minimum layer of 2 cm.
- Should the S&P asphalt reinforcement grid only be applied to localised areas (not complete surface), it is recommended to sprinkle asphalt mix material onto the reinforcement grid. This will help to ensure that the asphalt reinforcement grid will not be damaged/pulled up by construction traffic.

### S&P Asphalt unroll equipment (mechanical)

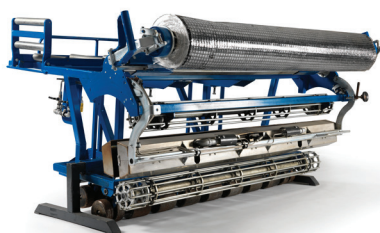
Machine weight: approx. 800 kg

S&P Carbophalt® G / S&P Glasphalt® G

Roll width 0.97 m: Approx. 33 kg/Roll

Roll width 1.50 m: Approx. 50 kg/Roll

Roll width 1.95 m: Approx. 65 kg/Roll

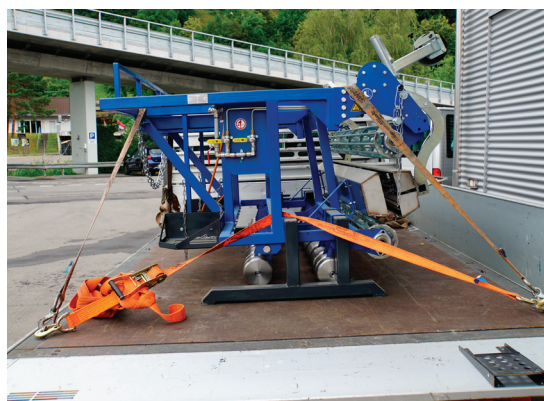


### APPLICATION



The machine must be secured for transportation according to the photos.

Gas pipes and movable parts may not be damaged!





The machine must be secured for transportation according to the photos.



Remove the unloading belts and unscrew the 4 securing screws.

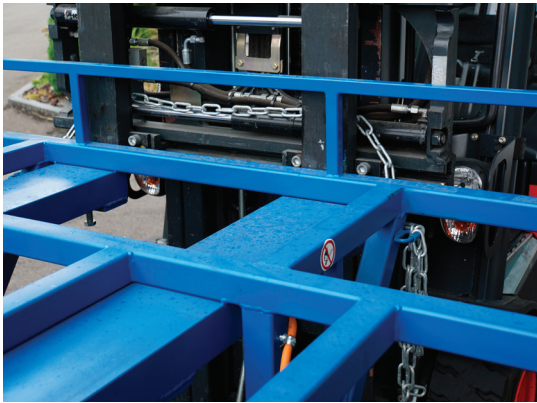


Using a fork lift truck, drive the forks into the relevant holes and lift slightly.

Tighten the 4 securing screws.



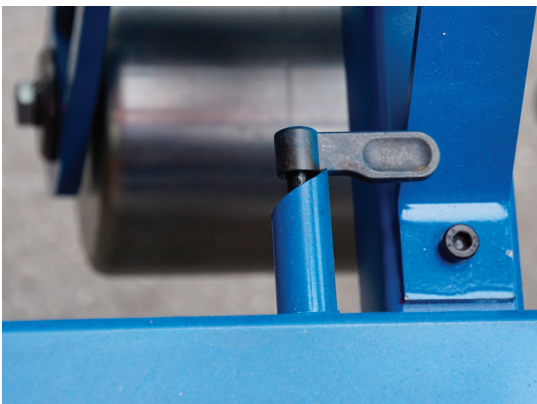
Feed the safety chain behind the forks and secure it.



APPLICATION



Open the safety latch and remove the support legs.



Correctly position the gas canisters, attach the tubes and secure with the safety chain.

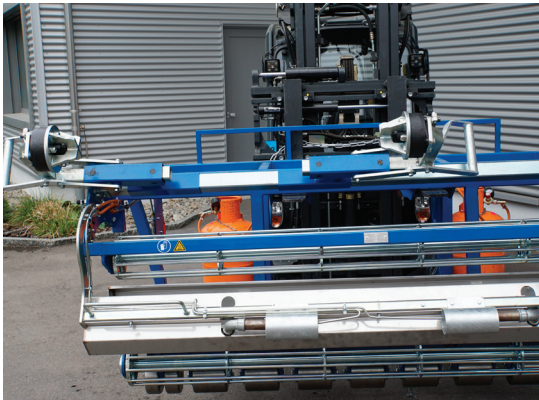


APPLICATION

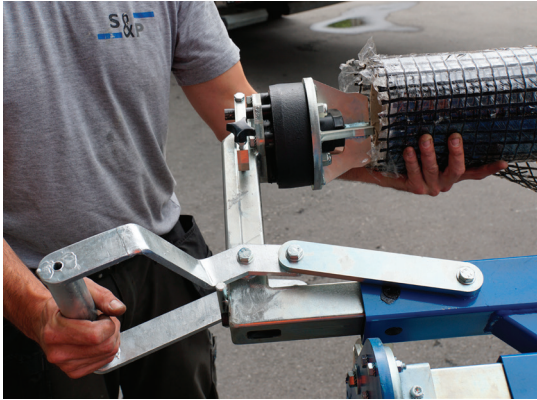
APPLICATION



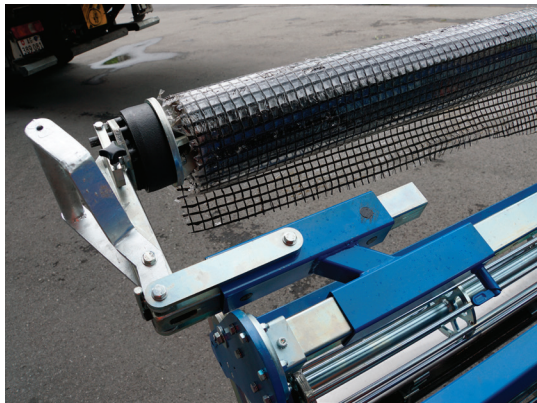
Adjust the roll bar to the desired width and secure with the latches.



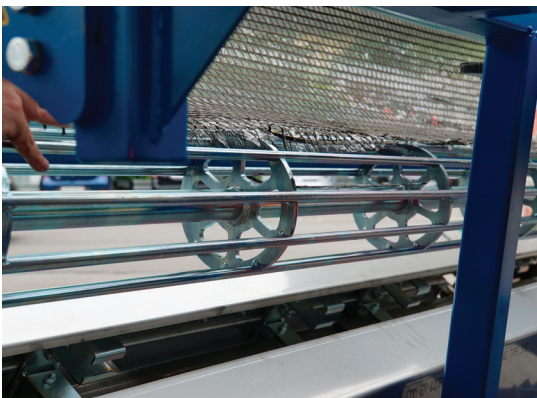


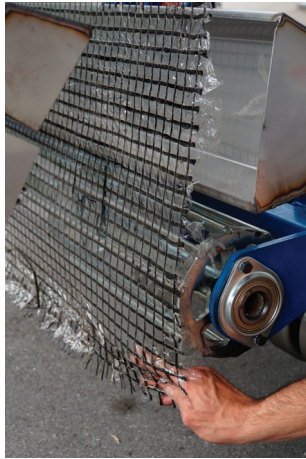


Open the clamp, attach the roll and secure the clamp again.



Pull approximately the first 3 metres of the roll manually, then bend it back and feed it over the upper roller.





Pull the roll through the open wind protection and beneath the lower roller until shortly before the fork lift truck tyres.



Regularly spray the rollers and tyres during installation with a separating agent.







Open the gas canister, pull the red gas lever downwards.



Lower the unrolling machine to the ground, ignite the burner, close the wind protection and drive forwards.



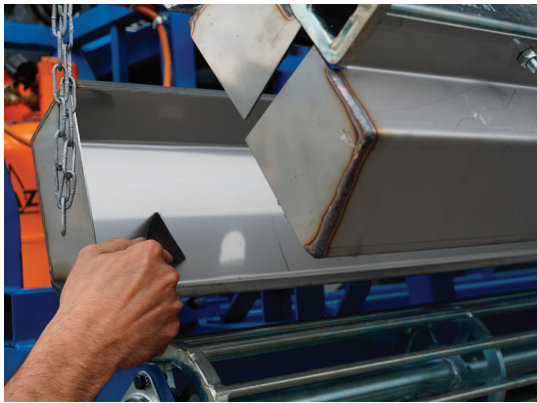
## Cleaning

Lift the empty unrolling machine and use a support to nullify the risk of the machine dropping to the ground.

Clean the rollers (remove the excess bitumen).



## APPLICATION



### Cleaning

Clean the wind protection (remove excess bitumen).



Load and secure.

## NOTES

- Please refer to the application instructions from S&P
- Maintenance and cleaning works carried out by S&P will be charged
- Always have a fire extinguisher at hand during installation!

More information about the S&P FRP systems and all technical data sheets, as well as all safety data sheets, are available at [www.sp-reinforcement.eu](http://www.sp-reinforcement.eu)

### Head Office

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## Handover documentation

Name of S&P instructor: \_\_\_\_\_

Date/Signature of instructor: \_\_\_\_\_

Contractor: \_\_\_\_\_

Name: \_\_\_\_\_

Date/Signature: \_\_\_\_\_

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