

Additional Measure for Working on the High-Voltage Battery to Prevent Corrosive Leakage: Observe Specified Approach (117/25)

Model Line: **Taycan (Y1A/Y1B/Y1C)**

Model Year: **As of 2020 up to 2025**

Concerns: **Working on high-voltage battery**

Information: **Avoiding corrosive leakage at susceptible areas of the high-voltage battery.**

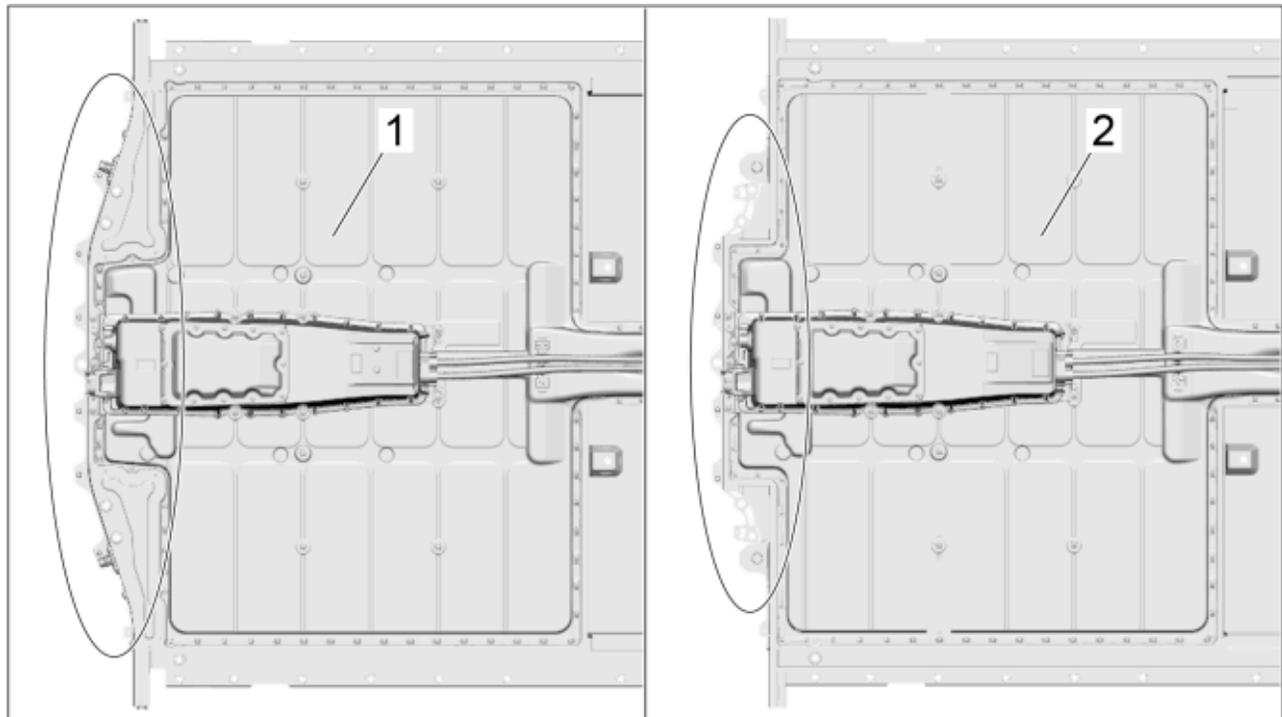
Action: For all work on the high-voltage battery (e.g. cell module change, removal and installation or replacement requirement) and if **Teroson MS polymer** is not yet applied at the susceptible areas for corrosive leakage, rework the defined areas on the high-voltage battery with **Teroson MS polymer**.



Information

Before starting subsequent work, check the variant of the high-voltage battery. Due to a previous replacement requirement for the high-voltage battery, a high-voltage battery variant of model year 2025 can be installed from model year 2020.

The subsequent work on the defined areas differs between the two high-voltage battery variants.



Visual differentiation of the high-voltage battery variants

1 – **High-voltage battery variant 1: Model year 2020 – 2024**

- 2 – **High-voltage battery variant 2:** Model year from 2025 (can also be installed in vehicles of model year 2020 – 2024 due to replacement requirements)

Procedure for reworking the corresponding high-voltage battery:

- **High-voltage battery variant 1:** ⇒ *Technical Information 'Applying wax at critical points of the high-voltage battery (variant 1)'*
- **High-voltage battery variant 2:** ⇒ *Technical Information 'Applying wax at critical points of the high-voltage battery (variant 2)'*

Date of Introduction: Since CW35/2025, Teroson MS polymer is already applied to the defined areas of the high-voltage battery in series production.

Required material

Part Info:	Part No.	Designation	Quantity
	00004330532	⇒ Sealing compound – Teroson MS polymer	1 piece(s)

Applying Teroson MS polymer to defined areas of the high-voltage battery (variant 1)



Information

Reworking is described on one side as an example and must also be carried out independently on the other side. Reworking is identical on both sides.



Information

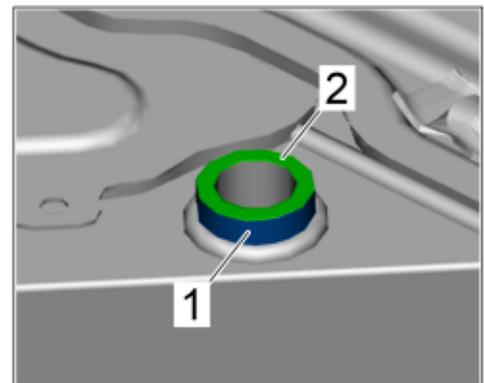
Only apply Teroson MS polymer **on the outer surface** ⇒ *Bushing on high-voltage battery -1-* of the bushings, **no** application to the upper edge ⇒ *Bushing on high-voltage battery -2-* of the bushings.



Information

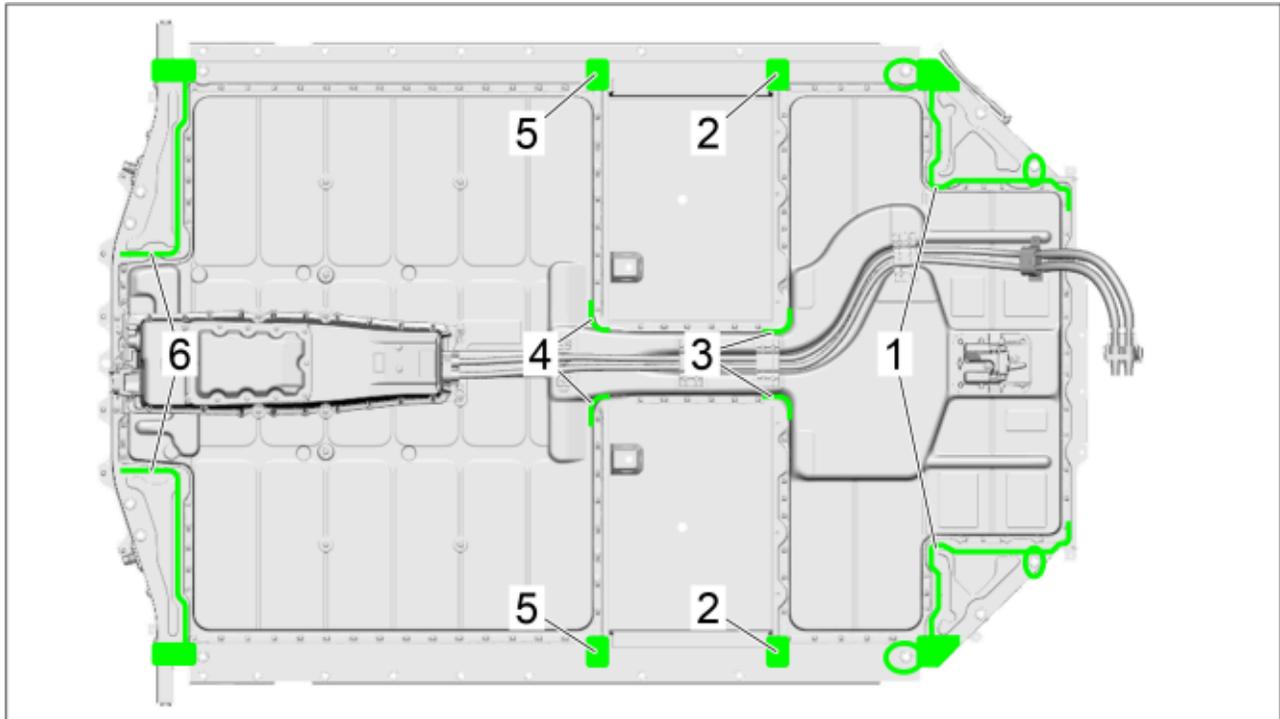
Requirement for the Teroson MS polymer seal:

- The film must be applied evenly and fully
- The applied sealing film layer must be continuous and without interruptions



Bushing on high-voltage battery

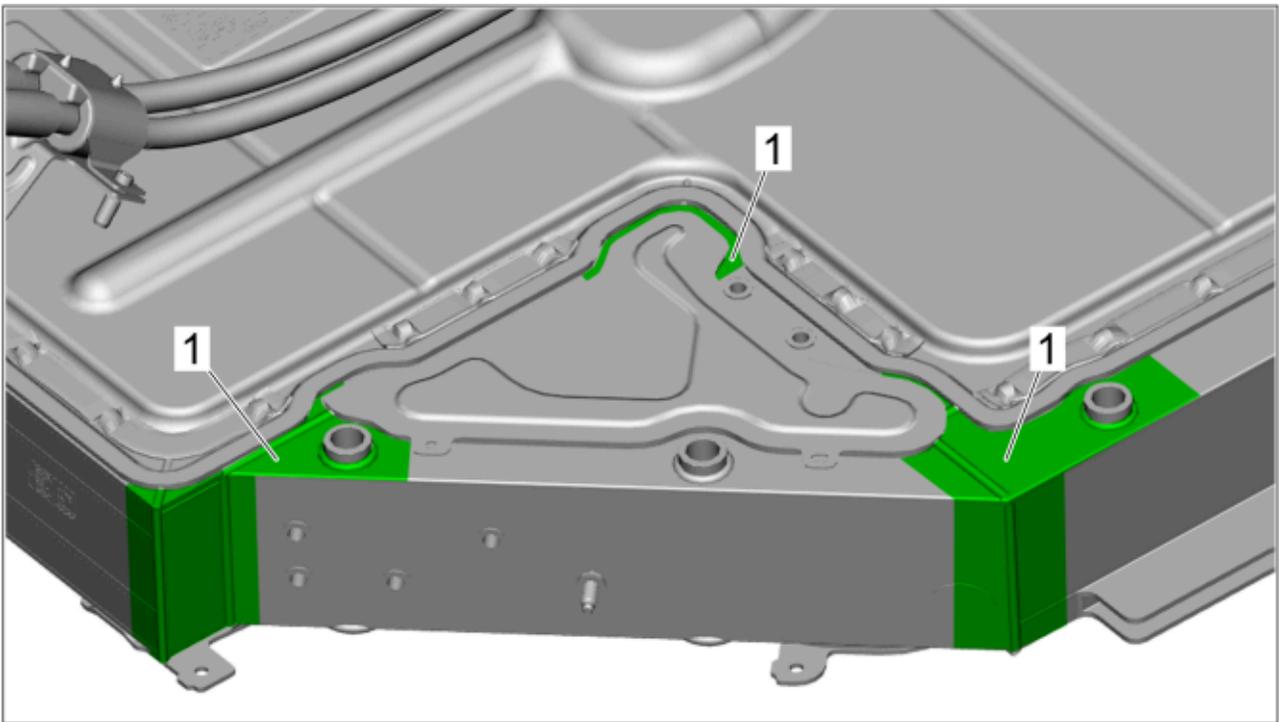
Overview:



Critical points for corrosive leaks (rework areas)

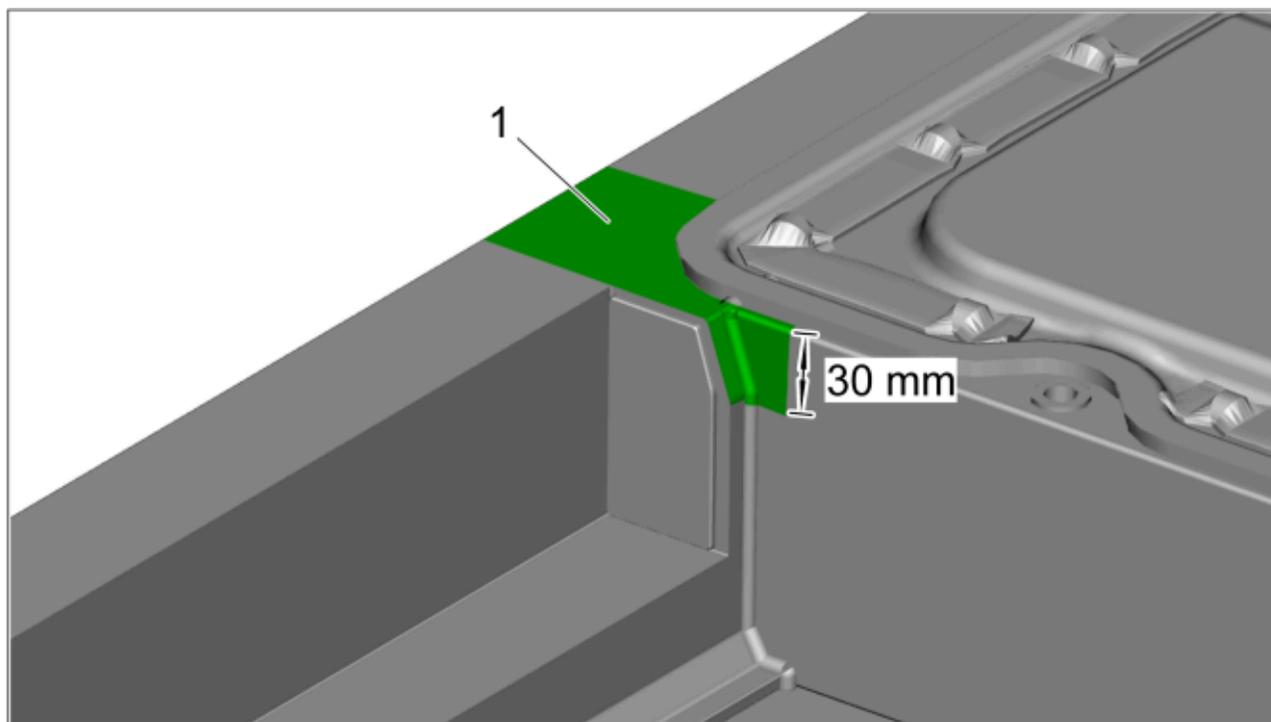
1 – 6 – Rework areas

Work Procedure: 1 Clean area ⇒ Overview area 1 -1-using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



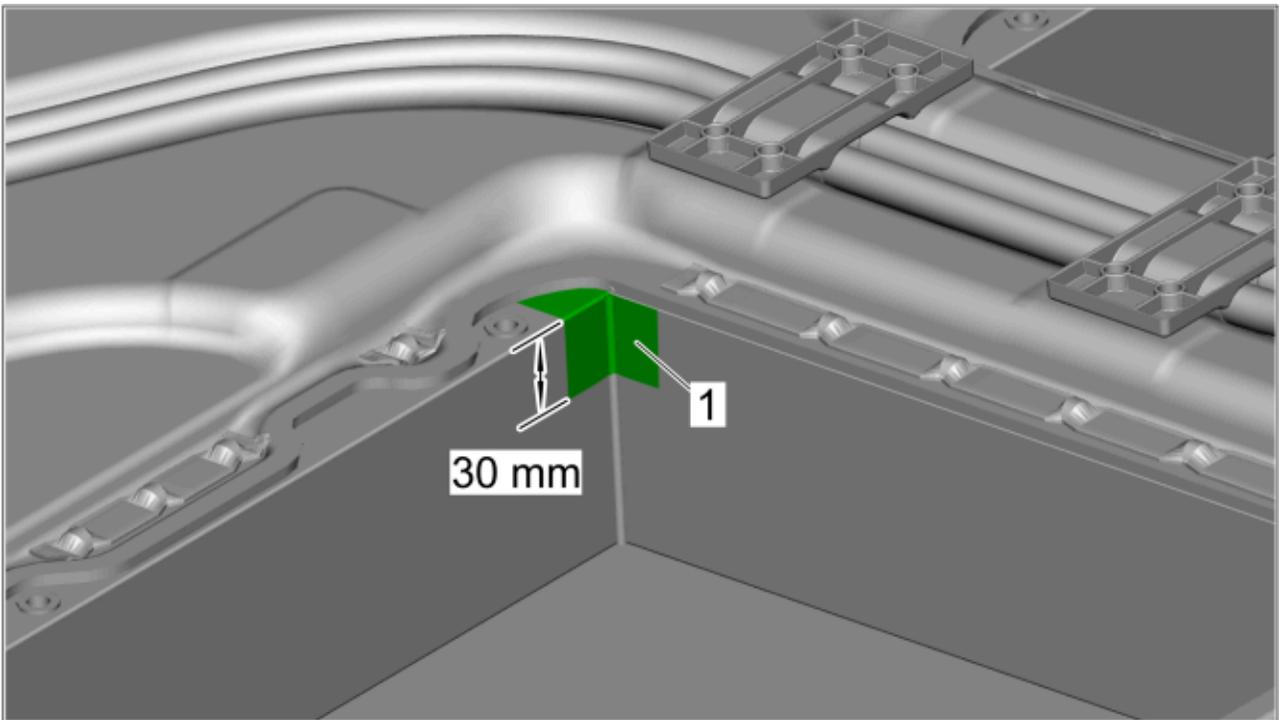
Overview area 1

- 2 Clean area \Rightarrow Overview area 2 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



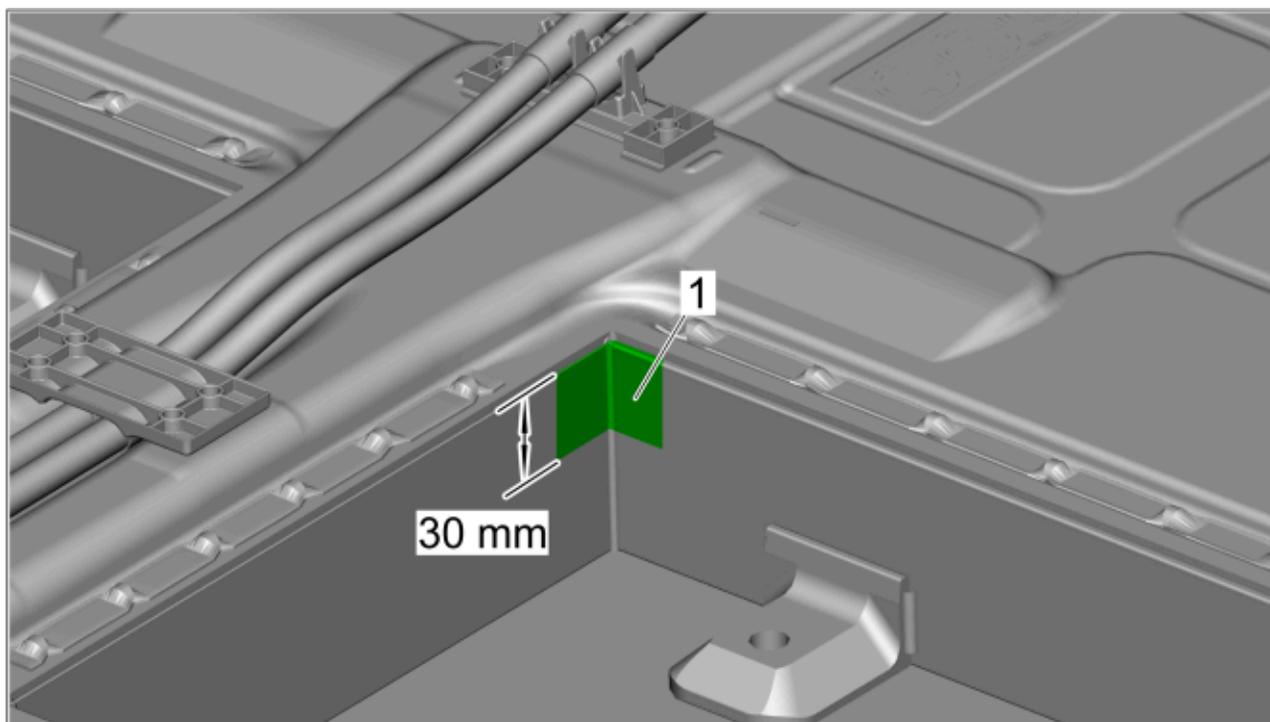
Overview area 2

- 3 Clean area ⇒ *Overview area 3 -1*- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



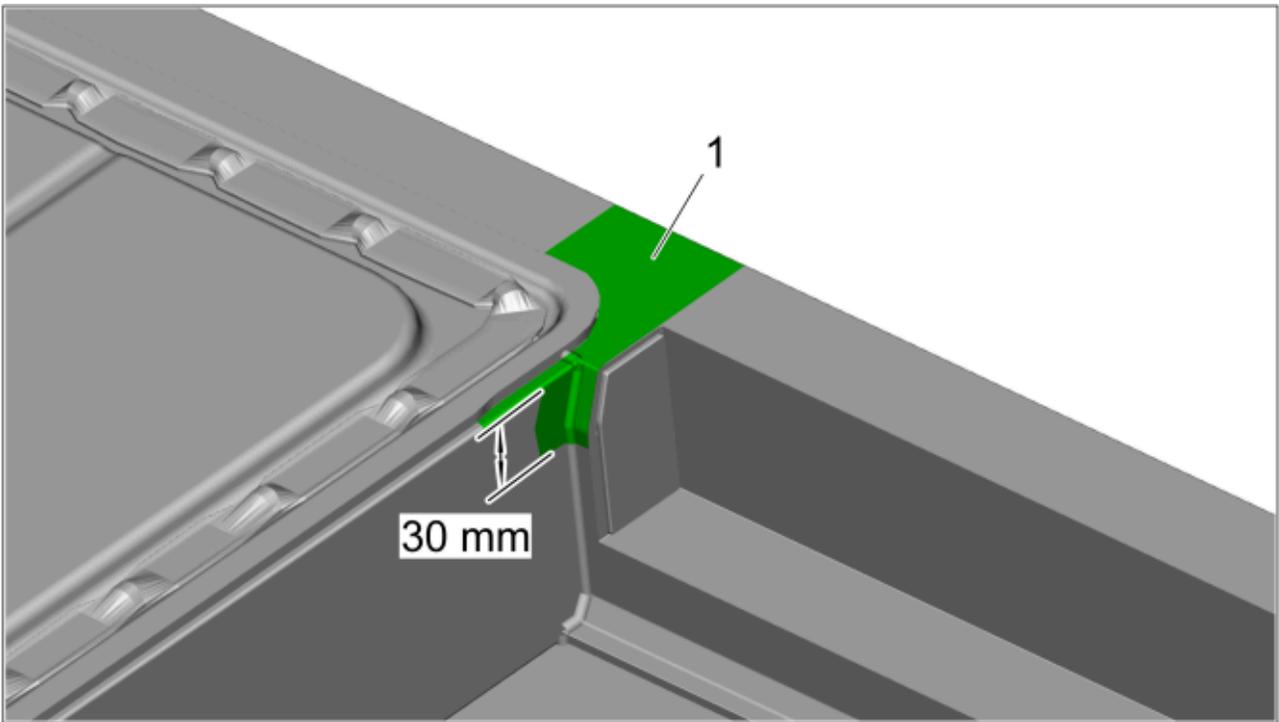
Overview area 3

- 4 Clean area \Rightarrow Overview area 4 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



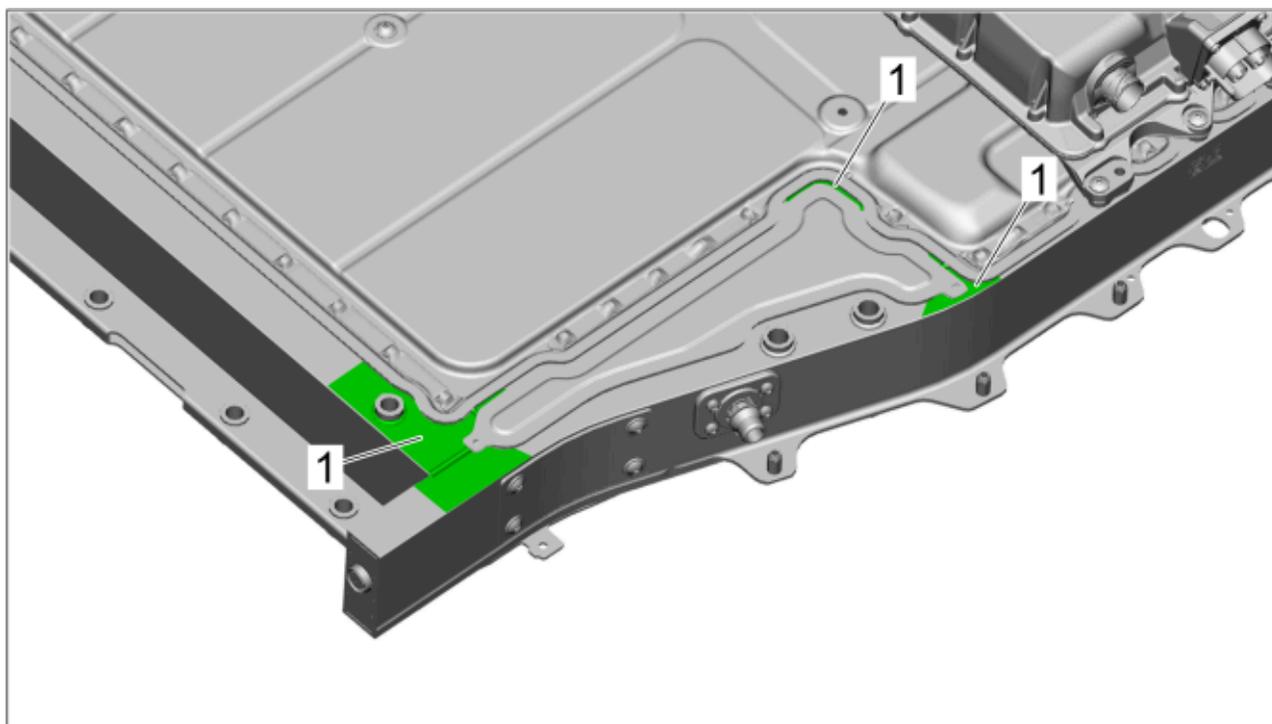
Overview area 4

- 5 Clean area ⇒ *Overview area 5 -1-* using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



Overview area 5

- 6 Clean area \Rightarrow Overview area 6 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



Overview area 6

Applying Teroson MS polymer to defined areas of the high-voltage battery (variant 2)



Information

Reworking is described on one side as an example and must also be carried out independently on the other side. Reworking is identical on both sides.



Information

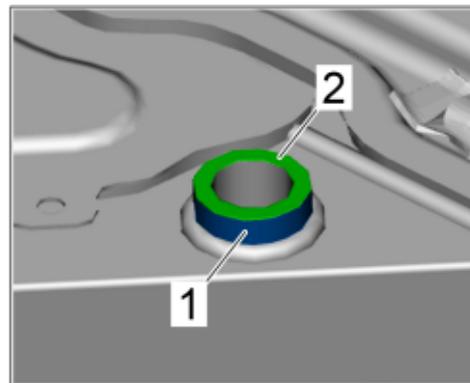
Only apply Teroson MS polymer **on the outer surface** ⇒ *Bushing on high-voltage battery -1-* of the bushings, **no** application to the upper edge ⇒ *Bushing on high-voltage battery -2-* of the bushings.



Information

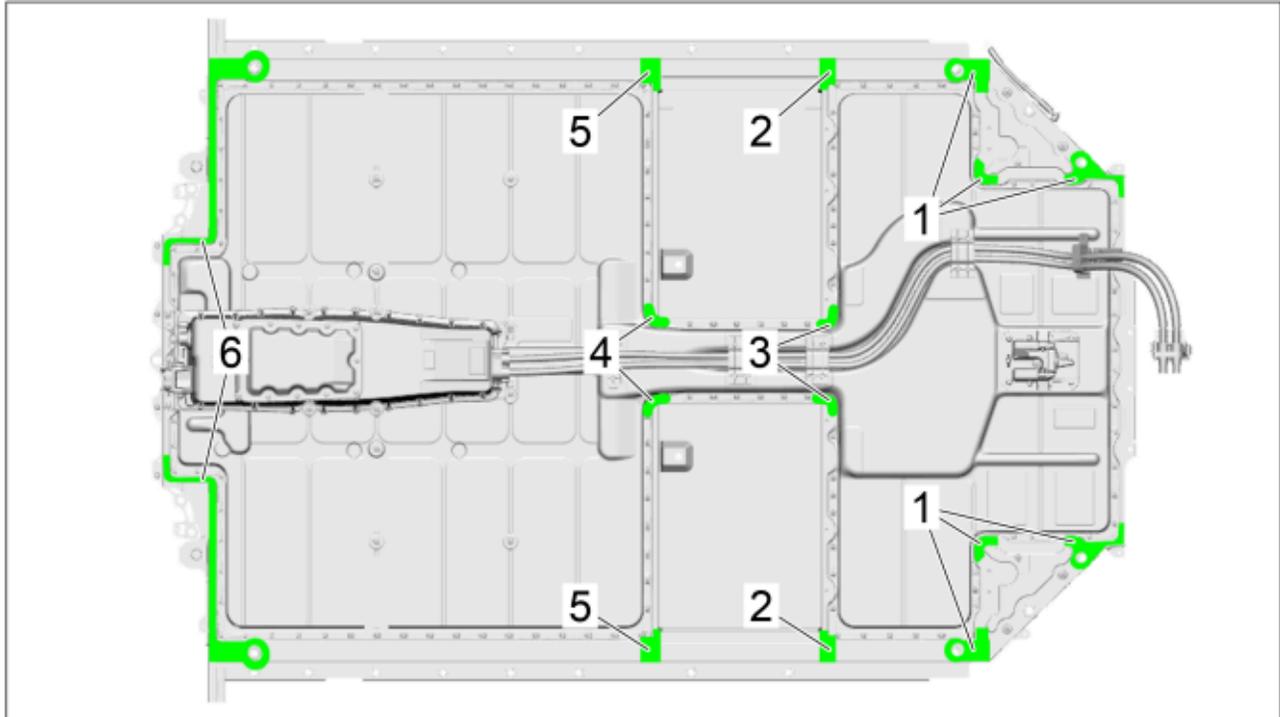
Requirement for the Teroson MS polymer seal:

- The seal must be applied evenly and fully
- The applied sealing film must be continuous and without interruptions



Bushing on high-voltage battery

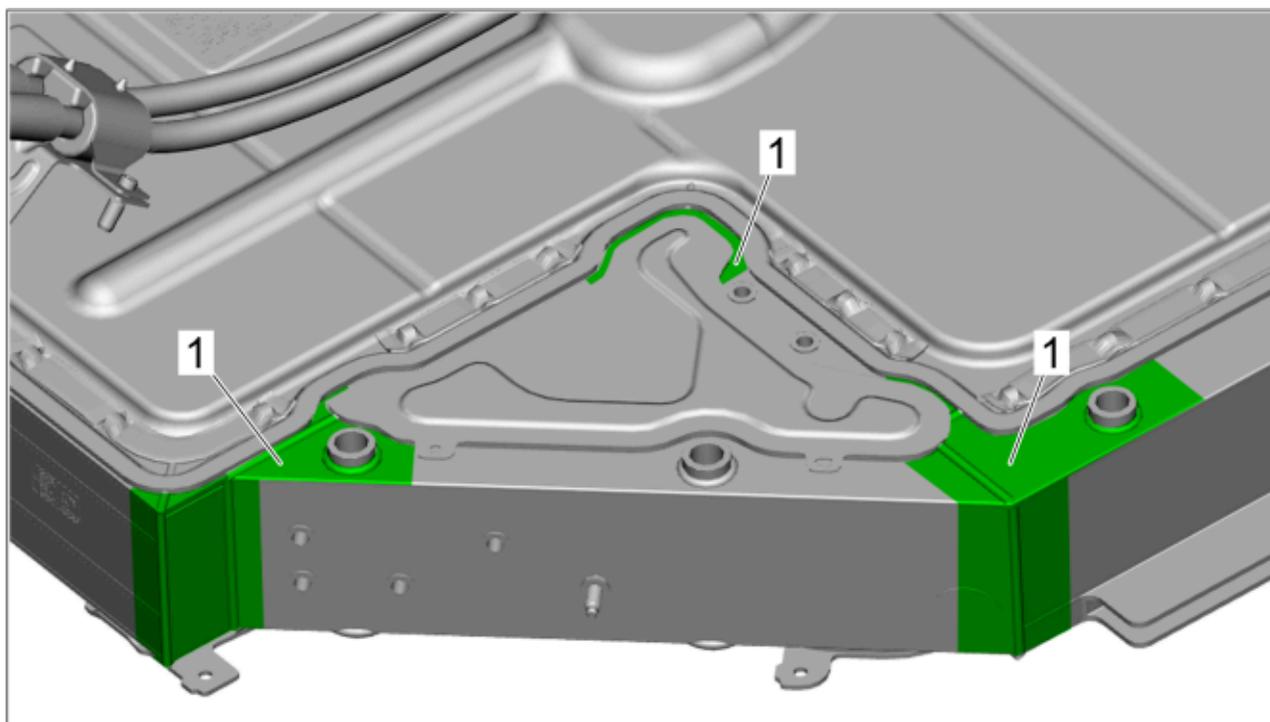
Overview:



Critical points for corrosive leaks (rework areas)

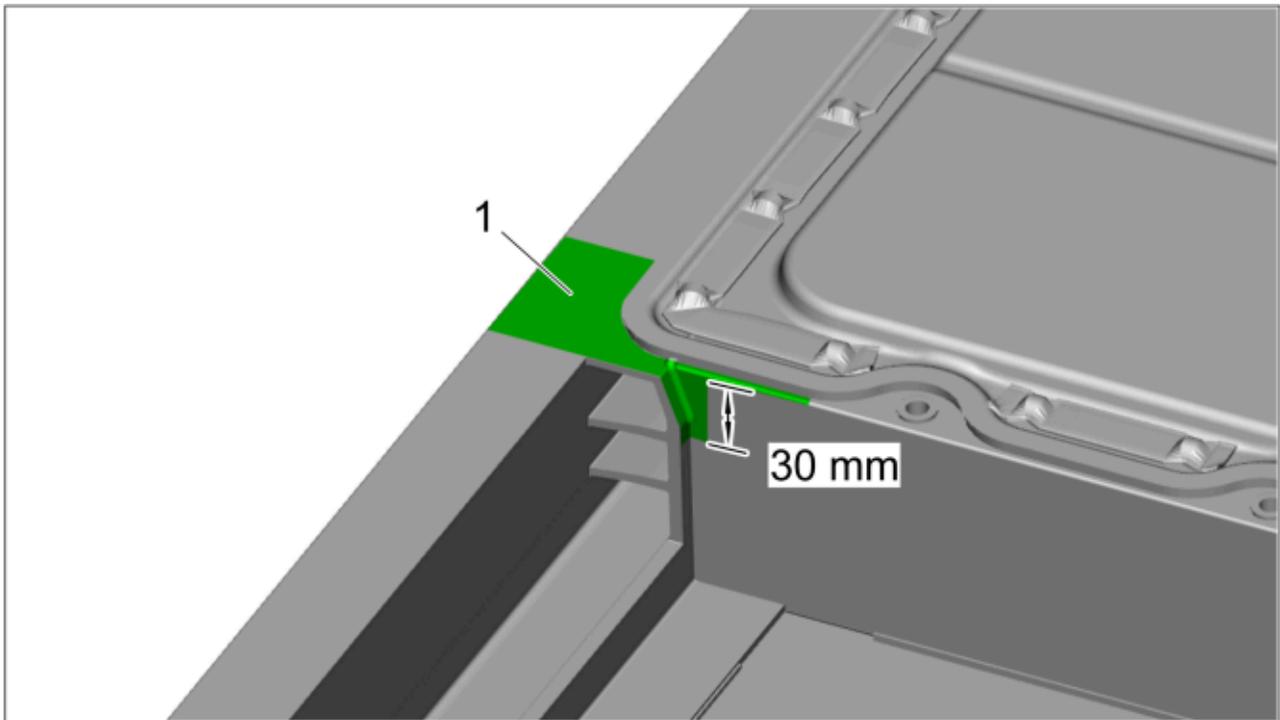
1 – 6 – Rework areas

Work Procedure: 1 Clean area ⇒ Overview area 1 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



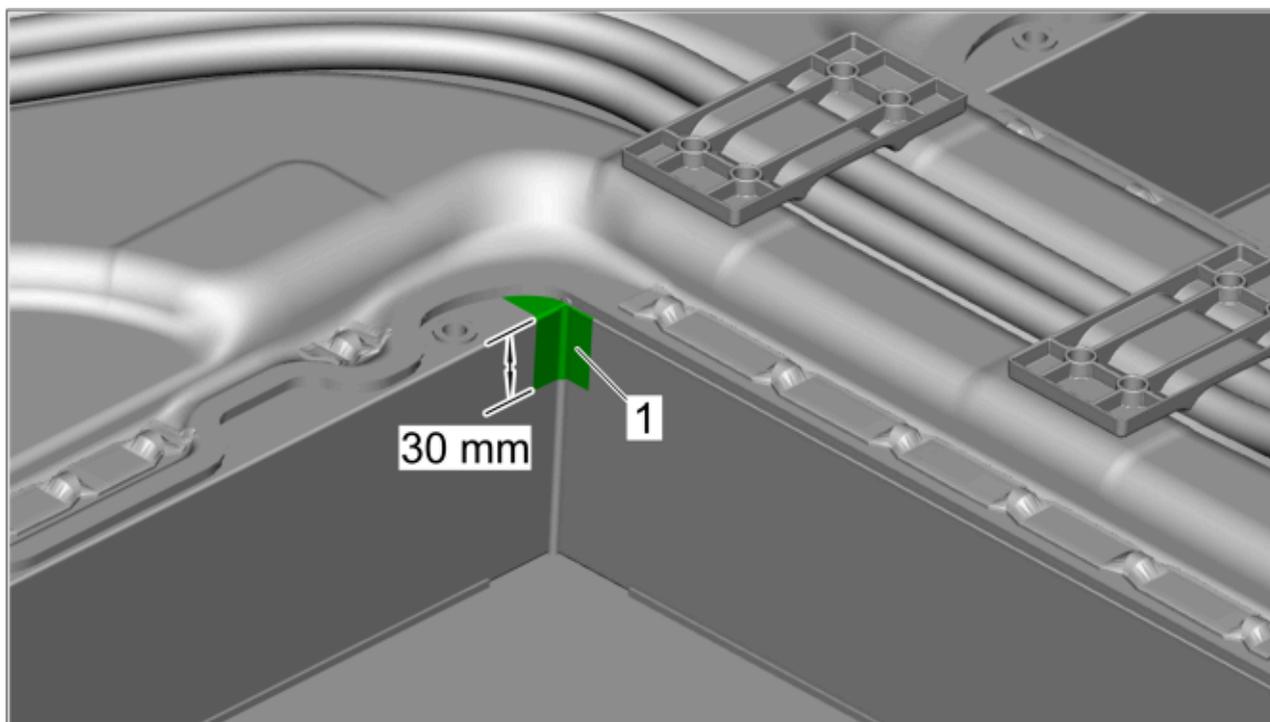
Overview area 1

-
- 2 Clean area using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



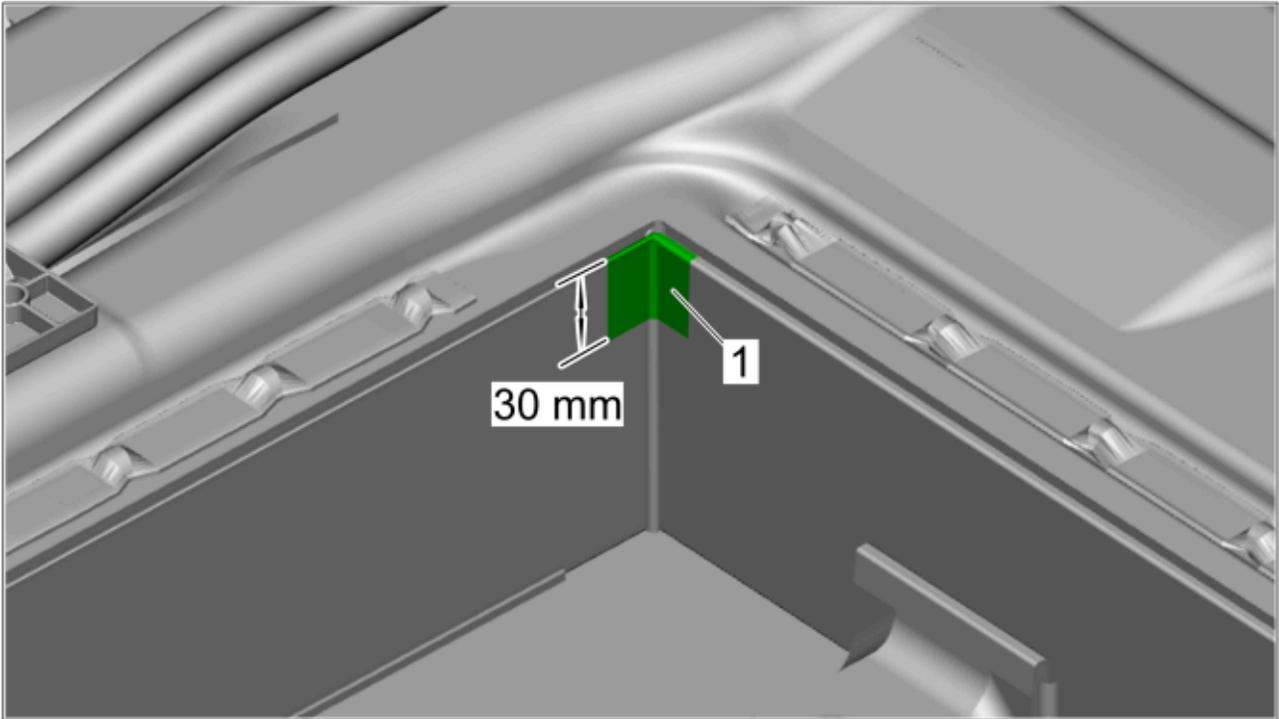
Overview area 2

- 3 Clean area \Rightarrow Overview area 3 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



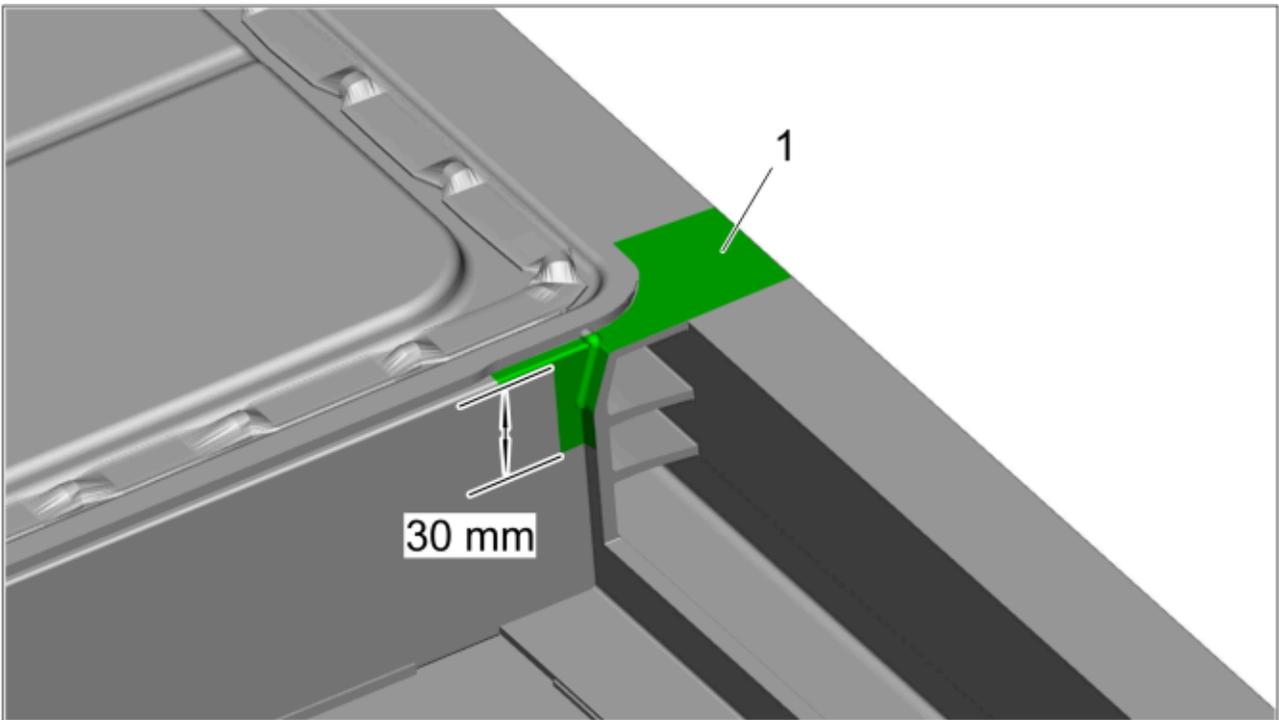
Overview area 3

- 4 Clean area \Rightarrow Overview area 4 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



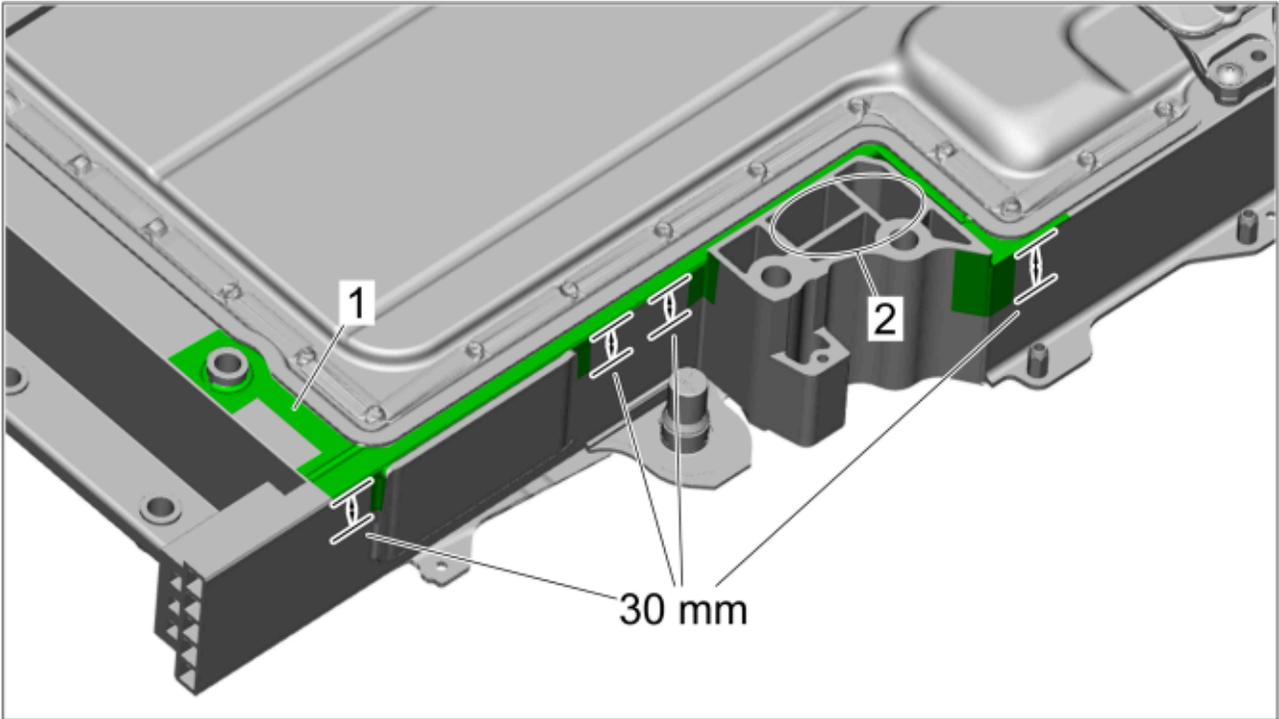
Overview area 4

- 5 Clean area \Rightarrow Overview area 5 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried.



Overview area 5

- 6 Clean area \Rightarrow Overview area 6 -1- using water for initial cleaning, then isopropanol for final finish. Apply **Teroson MS polymer** with a brush once the isopropanol has completely dried. Apply **Teroson MS polymer** approx. 30 mm / 1.18 in deep in the inner area of the gaps \Rightarrow Overview area 6 -2-.



Overview area 6

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
27084991	Reworking high-voltage batteries	

PCSS encryption:

Location (FES5)	27080	High-voltage battery
Damage type (SA4)	9735	Repair according to PAG instructions

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