Installation Test

POLYTECH ELLE™ INSTALLATION TRAINING

Polytech
Wind for life™

Name

Date

TRANSPORT AND STORAGE SPECIFICATIONS

QUESTION 1 **What are the storage requirements for Sika 205?**

- [ ] Store in sealed container in a humid place below 25°C
- [ ] Store in sealed container in a cool dry place below 25°C
- [ ] Store in sealed container in a warm place above 25°C

QUESTION 2 **What are the storage requirements for Centaur 960?**

- [ ] Store at 15 - 35°C at 0 - 70% RH
- [ ] Store at 10 - 25°C at 0 - 90% RH
- [ ] Store at 10 - 25°C at 0 - 70% RH

QUESTION 3 **What are the transport and storage requirements for ELLE™ when kept in original sealed packaging?**

- [ ] Transport and store at 10 - 30°C at 0 - 100% RH
- [ ] Transport and store at 5 - 35°C at 0 - 100% RH
- [ ] Transport and store at 10 - 40°C at 0 - 80% RH

QUESTION 4 **What is the permitted relative humidity during transport and storage of ELLE™ if vacuum of packaging is lost?**

- [ ] Transport and store at 20 - 100% RH
- [ ] Transport and store at 40 - 80% RH
- [ ] Transport and store at 0 - 100% RH

APPLICATION WINDOW

QUESTION 5 **What is the tolerance for the ambient temperature during installation?**

- [ ] From 5 to 40°C
- [ ] From 10 to 30°C
- [ ] From 5 to 35°C

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QUESTION 6 **What is the tolerance for the surface temperature during installation?**

- [ ] From 0 to 60°C
- [ ] From 5 to 50°C
- [ ] From 0 to 35°C

QUESTION 7 **What is the permitted relative humidity during installation?**

- [ ] From 30 to 90% RH
- [ ] From 25 - 90% RH
- [ ] From 30 - 100% RH

SURFACE PREPARATION

QUESTION 8 **What is the Fast Preparation repair method for a category 1-2 leading EDGE EROSION?**

- [ ] Smoothen out the eroded coat using sandpaper to smoothen the surface. If any local holes are present, sand the edges and fill them up later
- [ ] Smoothen out the eroded coat using sandpaper and laminate the area
- [ ] Smoothen out the eroded coat using sandpaper and apply new coat

QUESTION 9 **Which grit size is used for surface preparation?**

- [ ] Grit 320 to 400
- [ ] Grit 220 to 240
- [ ] Grit 120 to 180

QUESTION 10 **What should be done if the substrate is visibly wet?**

- [ ] Must wait until the surface dries out by itself
- [ ] It must be dried by wiping off with a dry cloth prior to Sika activation
- [ ] It must be dried by wiping off with Isopropanol prior to Sika activation

QUESTION 11 **What is the process window from the time of wiping with Sika 205 activator?**

- [ ] Wait at least 10 min. and max. 120 min.
- [ ] Wait at least 2 min. and max. 120 min.
- [ ] Wait at least 10 min. and max. 150 min.

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ELLE™ APPLICATION

QUESTION 12 **Where do you find the tip start position?**

- [ ] The tip start position is always 90mm
- [ ] On the ELLE™ layout specification
- [ ] In the STANDARD APPLICATION OF ELLE™ work instruction

QUESTION 13 **Where can you find the ELLE™ layout specification?**

- [ ] The layout specification is found in the STANDARD APPLICATION OF ELLE work instruction
- [ ] The layout specification is found on the Polytech homepage
- [ ] The layout specification is delivered in the box with the ELLE™

QUESTION 14 **What is the approximate activation pressure of PSA tape?**

- [ ] Approximately 5 kg
- [ ] Approximately 10 kg
- [ ] Approximately 15 kg

QUESTION 15 **What is the size tolerance for the outside chamfer sealing at the edges of ELLE™?**

- [ ] The chamfer must be 15 ± 5 mm from the edge of ELLE™
- [ ] The chamfer must be 5 ± 2 mm from the edge of ELLE™
- [ ] The chamfer must be 10 ± 5 mm from the edge of ELLE™

QUESTION 16 **What is the size tolerance for the outside sealing at the ELLE™ overlap?**

- [ ] Apply tape on the previous shell 10 ± 5 mm from the overlap
- [ ] Apply tape on the previous shell 5 ± 2 mm from the overlap
- [ ] Apply tape on the previous shell 15 ± 5 mm from the overlap

QUESTION 17 **What liquid on a lint free cloth is used for smoothening the sealer?**

- [ ] Soapy water
- [ ] IPA 99,9%
- [ ] Demineralized water

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QUESTION 18 **What should be done if the installation is interrupted before reaching the ELLE™ root shell?**

- [ ] Seal the edge of end in order to secure that the PSA will not be contaminated
- [ ] Just leave in until you return
- [ ] Cover the edge of end with duct tape in order to secure that the PSA will not be contaminated

QUESTION 19 **What is the minimum curing time before turbine can be put back in operation if the humidity is above 30% and the temperature 23°C?**

- [ ] 4 hours
- [ ] 5 hours
- [ ] 7 hours

ACCEPT CRITERIA FOR APPLICATION

QUESTION 20 **Where are the critical zones of ELLE™?**

- [ ] The critical zone is 1/3 of the arc length of ELLE™ and 15 mm at the edge of ELLE™
- [ ] The critical zone is 1/4 of the arc length of ELLE™ and 15 mm at the edge of ELLE™
- [ ] The critical zone is 1/3 of the arc length of ELLE™ and 10 mm at the edge of ELLE™

QUESTION 21 **How many air pockets are allowed in the PSA tape at the critical zone of ELLE™?**

- [ ] There are no requirements
- [ ] 1 air pocket
- [ ] No air pockets

QUESTION 22 **How many air pockets are allowed in the PSA tape at the noncritical zone on each side of ELLE™?**

- [ ] There are no requirements
- [ ] 1 air pocket
- [ ] No air pockets

QUESTION 23 **What is the maximum size of accepted air pockets in the PSA tape on ELLE™?**

- [ ] Maximum 1 air pocket of Ø10 mm and 1 mm in height is allowed on each side of ELLE™
- [ ] Maximum 1 air pocket of Ø5 mm and 1 mm in height is allowed on each side of ELLE™
- [ ] Maximum 1 air pocket of Ø10 mm and 2 mm in height is allowed on each side of ELLE™

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QUESTION 24 **How many air pockets are allowed underneath ELLE™ in the sealing area?**

- ☐ There are no requirements
- ☐ 1 air pocket
- ☐ No air pockets

QUESTION 25 **What should you do if ELLE™ is not positioned within the tolerances given by the alignment marks?**

- ☐ If ELLE™ is not correctly positioned it must be repositioned
- ☐ Just leave it and do it better on the next ELLE™
- ☐ Try another ELLE™

THANK YOU!

Total Score