

Site Evaluation Guide

Prior to an ADRail installation, it is important to inspect the escalator and the handrails for suitability. ADRail can only be applied to escalator handrails that are in good operating condition. Additionally, ADRail should only be applied in secure locations where obvious signs of vandalism are not present.

Ideally, the site evaluation form should be completed by an escalator maintenance company. The following tools are required:

- measuring tape or wheel
- white grease pencil
- calipers

To ensure optimum operational alignment the following is required:

- ADRail film strips or masking tape
- digital camera

For help completing the form,
please contact:

adrail@ehc-global.com

1. Serial # or Unit

Typically found on the landing plate or balustrade of the escalator.

2. Handrail Brand Information - See Photo 1

If able to locate (underside of the handrail) please indicate it on the form.

3. Temperature / Climate

ADRail is best suited for indoor installations between 15°C and 40°C (60°F and 100°F). Area temperature should not exceed 40°C. **Avoid outdoor applications.**

4. Outer Cover Material

ADRail films are specially formulated for either SBR (Rubber) or NT (Thermoplastic) handrails. It is important to identify and indicate the type of handrail in operation. If unsure, below are some useful indicators:

- SBR handrails have a softer composition than NT handrails.
- SBR handrails have an easily identifiable mould seam that travels the length of the handrail on either side, whereas NT is seamless.

5. Damage - See Photo 2

Cracks and deep cuts could negatively affect an ADRail installation.



Photo 1 - Handrail Brand



Photo 2 - Damage

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6. Film Test

It is important to verify that there is no contact within the escalator that will damage the film. Cross-sectional dimensions vary over the length of a handrail for various reasons. Locate the largest cross-section for applying the test film. This will ensure that all potential contact areas are tested.

Note: Excessive slack in the handrail may only indicate contact when a load is applied to the handrail. Handrail slack should be checked and adjusted before the film test.

- a) Cut a 100mm (4") section of ADRail Film. If ADRail film is not available, use 4 layers of paper-based masking tape.
See Photo 3.
- b) Remove and retain paper liner as it will be required later. Place section of ADRail film across handrail width ensuring full coverage on sides.
See Photo 3.
- c) Cut a 50mm (2") section of ADRail Film. Overlay and center narrow strip to simulate an ADRail overlap splice.
See Photo 4.
- d) Ensure no air bubbles or wrinkles are between film layers before proceeding.
See Photo 5.
- e) Cycle the escalator for a minimum of 30 minutes.

Analysis:

The film should glide smoothly inside the escalator and be free from any black marks, tears or other impressions.

If test results are poor, contact the escalator maintenance company to ensure an optimum alignment of the handrail drive components is achieved prior to installation to avoid future failure.

See Photo 6.

Reposition test film section to the paper liner. Ensure it is labeled with detailed escalator information and submit it with the completed Site Evaluation Checklist to your escalator maintenance company, and/or ADRail representative.

See Photo 7.



Photo 3 - Film Layer (100mm)



Photo 4 - Film Layer (50mm)



Photo 5 - No air bubbles / wrinkles



Photo 6 - Film contact / damage

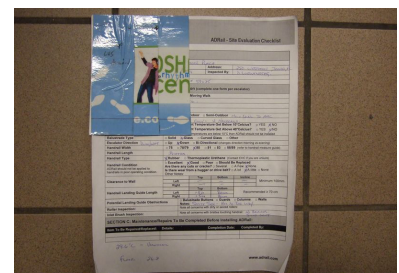


Photo 7 - ADRail Site Evaluation

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7. Length

To measure handrail length use a wheeled measuring tool or a 15m (50') tape measure (See EHC website for further instructions on measuring). If accurate measurements cannot be acquired, contact the escalator maintenance company.

8. Handrail Width - See Photo 8

ADRail is custom produced to the specific size of your escalator handrails. If you do not know your escalator model and/or handrail specifications you will need to use calipers to measure the width of the handrail. Measure the handrail at the widest point perpendicular to the flat handrail surface.

9. Fabric Area - See Photo 9

ADRail will not adhere to the fabric on the underside of an escalator handrail. The film is designed to fit handrails with a maximum of 10mm (3/8") of visible fabric on the underside. If any fabric width inconsistencies are apparent, please note them. If unsure, please email a photo to adrail@ehc-global.com for clarification.

10. Inlet Inspection - See Photo 10

Some escalators have a brush to guard from foreign objects being pulled into the escalator. If present, these brushes should be free of debris, and in good condition.

11. Wall Clearance

To ensure that the ADRail Applicator fits onto the escalator handrail, it needs a clearance of 10cm (4") between the handrail and the wall.

12. Landing

The ADRail Applicator needs a level surface on the handrail about 70cm (26") at the landing. If you can't measure this area, indicate the number of steps at the landing.

13. Obstructions - See Photo 11

Sometimes interior designers have incorporated columns, safety features, or other items very close to the escalator. These obstructions can prevent the ability to install ADRail. If any obstructions are apparent, please note them. If unsure, please email a photo to adrail@ehc-global.com for clarification.



Photo 8 - Handrail Width

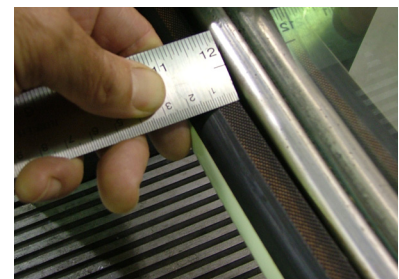


Photo 9 - Fabric Area



Photo 10 - Inlet Inspection



Photo 11 - Obstructions