



Field Adhesion Testing



Selladores
Pegamentos
Pinturas

Desde 1967

Field Adhesion Testing

Adhesion is typically a difficult physical property to quantify; adhesion test can quantify strength, energy or strength, but the results often require an educated interpretation.

The adhesion test is a modified version of the 180 ° peel test (per ASTM D903-98). It is a qualitative test, superior to the “Scotch tape” because it produces a number. One foot long section of a cloth two foot long and one inch wide is glued onto substrate using the appropriate primer

**DEFINITION OF FIELD
ADHESION TESTING
(PEEL TEST)**



Used Kit consist of:

- Primers to be compared
- Base Coats to be compared
- Mesh
- Brushes



TEST KIT



1

Application of first coat of products.

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2

Mesh placement and application of second layer of products to fix it over the first layer of products.

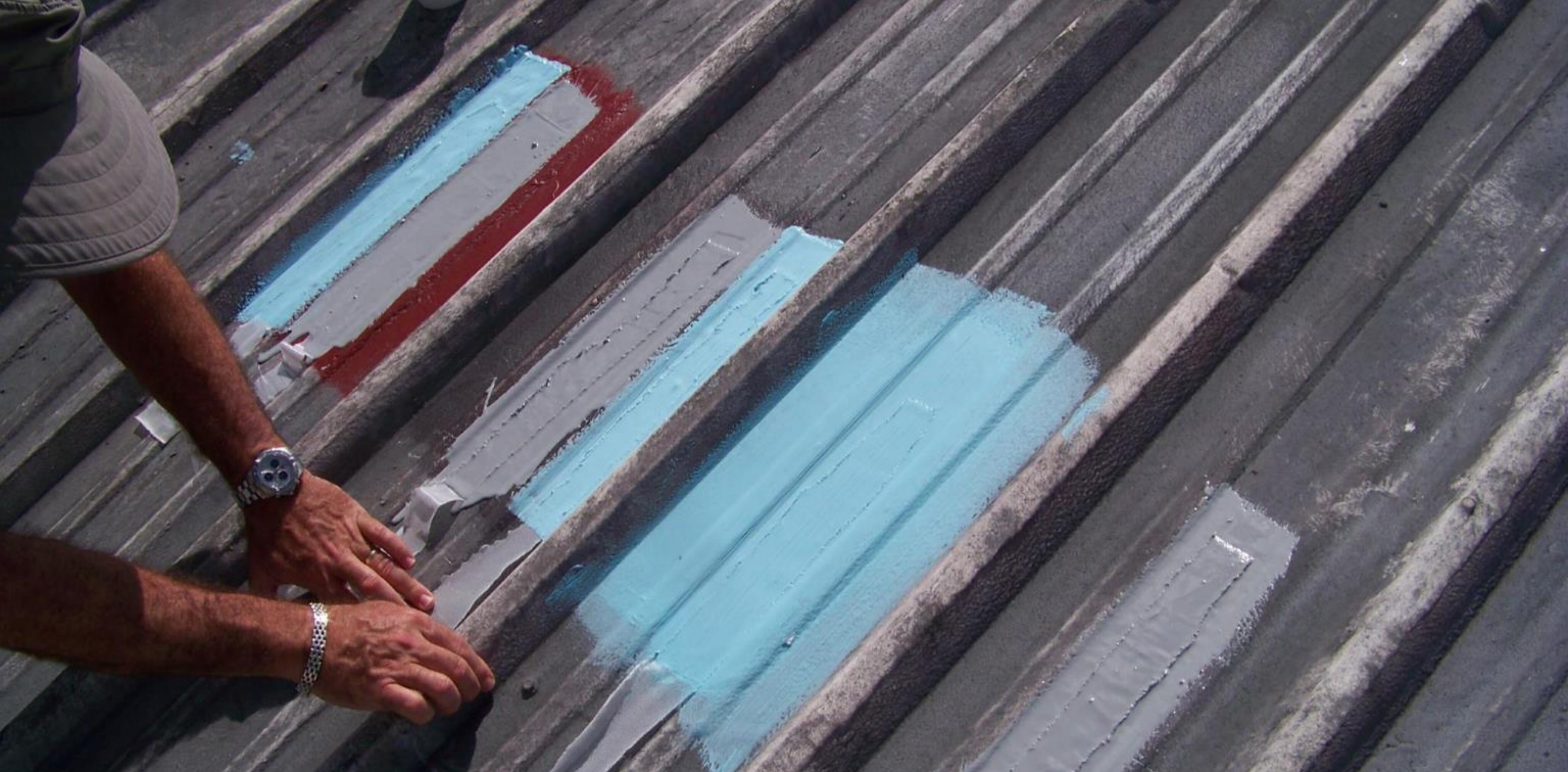
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3

In specific cases, after the application of the first layer of designated product and mesh, the second layer was applied with a complementary product.

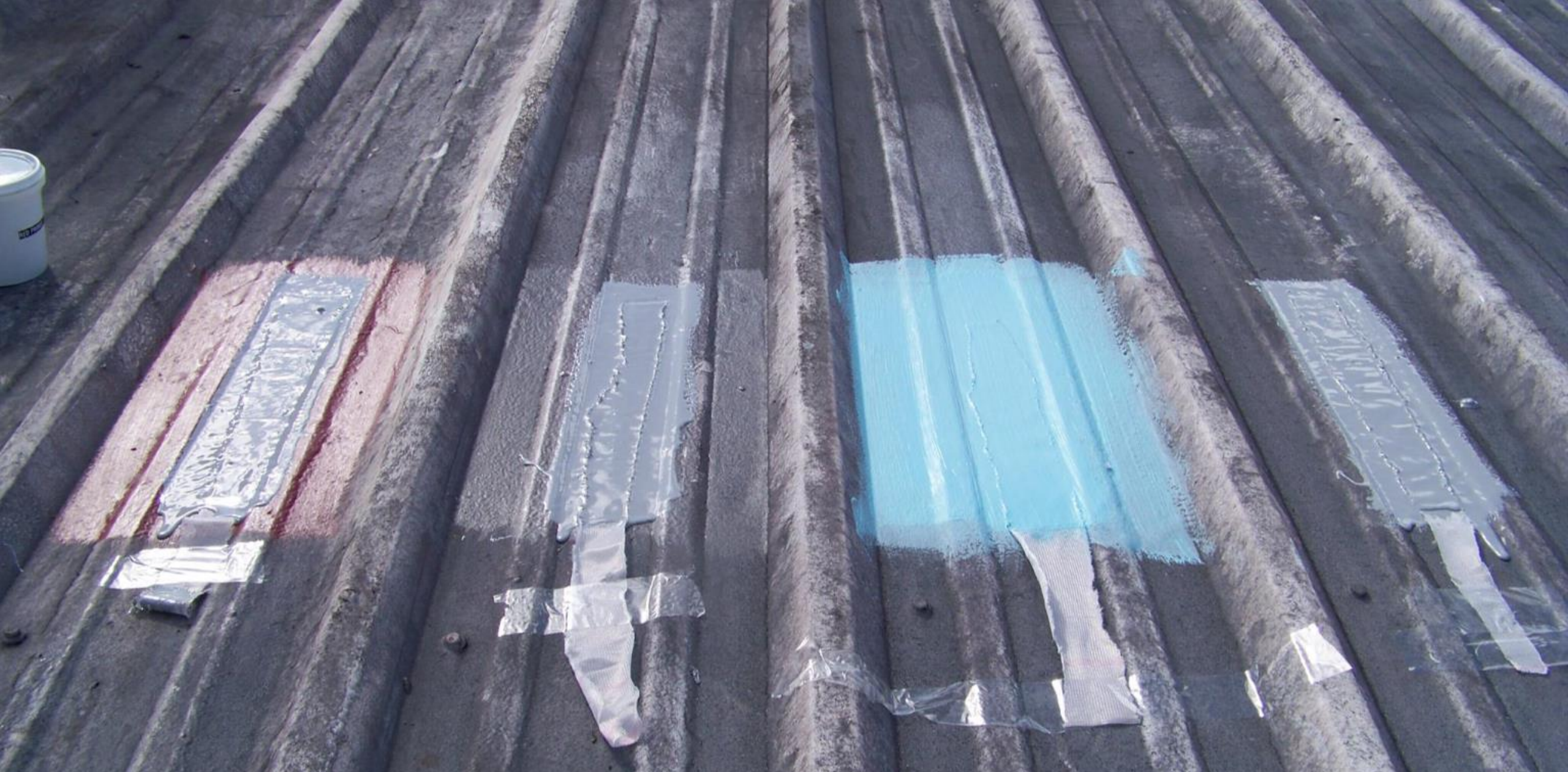
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4

After product applications, the part of mesh left outside the application area were fixed with adhesive tape to avoid interaction with wind during the drying period of the products.

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5

Application of products completed and start of the drying period of the products.

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6

Using a Spring Scale, pull the part of the mesh that was left outside the applied product. Then pull by sections to corroborate the result that being obtained. Repeat procedure in each application of the products.

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Results evaluation allows comparing the level of adhesion of the products to the substrate, allowing choose the most suitable for the surface.

Sample:

Table:

As a result of the test showed in table, the combination of PU Basecoat with the Red Primer demonstrated has the better adhesion to the existing surface.

Sample	Product	Results
1	AC-2 Base Coat/ Red Primer	6 PLI a 7 PLI (5 PLI promedio)
2	PU Basecoat / Red Primer	15+ PLI
3	PU Basecoat / AC-1 (ElastoAcryl)	6 PLI a 8 PLI (7 PLI promedio)
4	AC-2 Base Coat/ AC-1 (ElastoAcryl)	4 ½ PLI a 5 ½ PLI
5	AC-2 Base Coat	5 PLI a 6 PLI
6	PU Basecoat	12 PLI a 13 PLI

PLI= Pounds per Linear Inch

RESULTS COMPARATION



7

Samples after test and their residues.

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