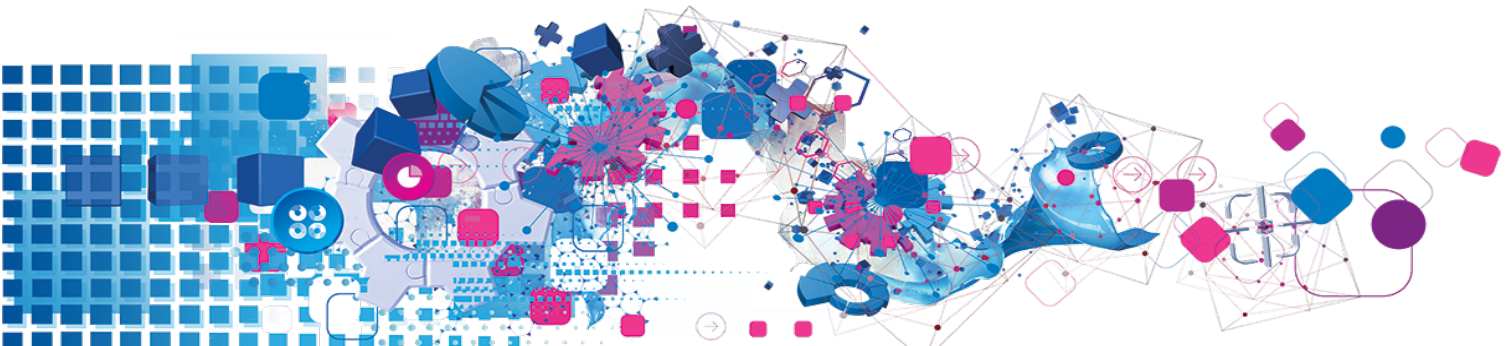
Data guide

Spain



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Introduction

Spain Address Data Information

Dataset Code:	ESP
Approximate Data Size:	80MB
Data Source:	All data, extracts and updates © Experian.
Update Frequency:	Quarterly The quarterly data release dates are: • March • June • September • December
Expiry:	Data files will expire 6 months after creation. For example, March data will expire in September of the same year. Ensure every data update is applied promptly, otherwise the data may expire and the product will become unusable.

List Of Available Data Files

File Extension	File Type	Comment
.dts	Dataset	Main address data.
.zlx	Single Line Index File	Indexing data for use with Single Line searching.
.tpx	Typedown Index File	Indexing data for use with Typedown searching.

About This Data

This chapter provides detailed information about the ESP dataset.

Area Covered

The ESP dataset contains all streets within the Kingdom of Spain: the Spanish mainland, the Canary islands and the Balearic islands. For major roads that span more than one postal code or census district, property number ranges are available for each section of the road.

Address Elements

The following address elements are stored within the ESP data files.

Address Element	Example	Element Code
Number	37	P11
Street	Paseo Florida	S11
Postcode	42004	C11
Region*	Castilla Y León	L11
Province	Soria	L21
Town	Soria	L31
Country	España	X11
Two character ISO country code*	ES	X12
Three character ISO country code*	ESP	X13

* *Elements that only appear in the address if their position is fixed.*

Address Element Definitions

Building number

The ESP dataset does not contain complete premises-level information. Building numbers are provided where necessary, for example, where major roads span more than one postal code or census district. The Building number (P11) element is not populated for most Spanish addresses.

Abbreviations

In output addresses, street types can be replaced by common three-letter abbreviations. Refer to the relevant section of the product documentation for information on configuring address formats. Examples of the abbreviations are shown below:

Abbreviated Form	Expanded Forms
Ace	Acera
Cjn	Calleja, Carrero, Calexon
Cno	Camino, Cami, Camiño
Pza	Plaza, Placa, Praza
Trv	Travesia, Travessia

Postal Code Structure

A Spanish postal code ("codigo postale") is a five-digit code, identifying a specific postal delivery area. The first two digits identify the region and province (Andorran postcodes which replace the first two digits with "AD"). The third digit indicates an approximate geographical location within the province. If this digit is 0, the address is in the province capital. The final two digits provide the area code.

A single postal code might be shared by more than one small town, or in large cities might refer to a group of streets. A few isolated properties do not have postal codes.

Default Address Format

Residential Spanish addresses consist of two lines. The first line contains the street name followed by the premises and sub-premises information. By default, Spanish addresses display the sub-premises information after the premises information, separated by a hyphen. The second line contains the postal code, then the town name, followed by the province name in brackets.

The town name is displayed in uppercase, with all other elements in title case. For example:

Calle San Antonio 27
01005 VITORIA (Alava)

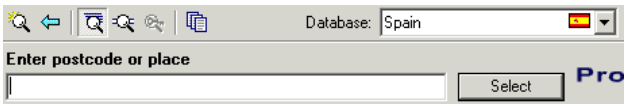
Using This Data

This chapter provides search tips and other product-specific information when using Pro, Pro Web, or Batch.

These searches are accurate at the time of data release. However, search results may differ depending on the data release you are using.

With Pro

Search Examples: Typedown

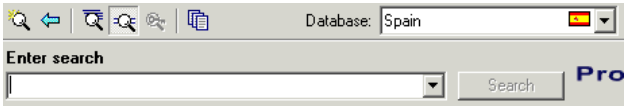


The following table provides a list of these example search types:

- Full address known;
- Postal code not known.

Search type	Example
Full address known	1. Enter the postal code, **40430**, and press **Enter**. 2. Enter the first two letters of the street name, **ra**, and press **Enter**. In this example **ra** is enough to uniquely identify **Calle del Ramo**. Note that street descriptors such as "Calle" and Plaza" are not required. Search results are often improved if street desriptors are omitted. 3. Enter the premises number, **7**, and press **Enter**. 4. The correct address is returned: Calle del Ramo 7 40430 BERNARDOS (Segovia)
Postal code not known	1. Enter the location, **albalatillo**, and press **Enter**. Note that only towns should be entered as locations for Typedown searches; provinces and regions will not be matched. 2. Enter the first three letters of the street name, **may**, and press **Enter**. In this example **may** is enough to uniquely identify **Calle Mayor**. 3. Enter the premises number, **13-5**, and press **Enter**. 4. The correct address is returned: Calle Mayor 13-5 22220 ALBALATILLO (Huesca)

Search Examples: Single Line



The ESP dataset contains limited premises-level information. Building names or numbers should not be included in Single Line searches. To return a complete address, including premises information, you should first search without the building number, for example: **calle suances,12100**. Enter the building number afterwards, as prompted, and press **Enter** or click **Select** for the final address to be displayed.

The following table provides a list of these example search types:

- Full address known;
- Postal code not known;
- Only street name known;
- Character missing from address;
- Address contains spelling mistake;
- Incomplete address element (partial);
- Incomplete address element (tagged).

Search type	Explanation
Full address known	Enter the street name followed by the postal code (omit the building number if known): **porche,12340** Note that street descriptors such as "Calle" and "Plaza" are not required. Search results are often improved if street desriptors are omitted. You will be prompted for the building number, and then the full address will be returned: Calle Porche 4 12340 LA JANA (Castellon)
Postal code not known	If the postal code is not known, enter the street name followed by the locality: **eras,cordovilla** Enter the building number and the correct address is returned: Calle Eras 9 37337 CORDOVILLA (Salamanca)
Only street name known	If only the street name is known, entering the street will return a picklist from which the correct one can be selected. Enter **calle aries** to view a list of every street of that name in the country.
Character missing from address	If a character is missing from the address the unknown character can be replaced with a question mark. **calle ?arden,los rosales** returns the correct address, once the building number is provided: Calle Garden 7 35432 LOS ROSALES (Las Palmas)

Search type	Explanation
Address contains spelling mistake	Entering an address that contains one or more spelling errors can still return the correct address. **calle seatan,pampliega** will return the correct address: Calle Saetin 09220 PAMPLIEGA (Burgos)
Incomplete address element (partial)	If you only have partial address information, you can replace the remainder of an address element with an asterisk. **calle eras,mal*** will display a picklist of all the streets called "Calle Eras" in all places beginning "Mal...".
Incomplete address element (tagged)	Sometimes it is helpful to tag a part of the search string to let Pro know which part of the address it is. For a list of available search constraints, see below. Searching on **mijas@l** tells Pro to display a picklist of localities called "Mijas".

Search Constraints

The following search constraints can be used to restrict searches when using the Single Line search engine in Pro or Batch Interactive.

Constraint	Elements Restricted to	Example
@C	Region/Province	cadiz@c
@L/@T	Town	jaen@t
@S	Street	barcelona@s,madrid

With Pro Web

Scenarios

The following table indicates the relevant search examples for each Pro Web scenario and search engine that supports ESP address data.

Scenario	Search engine	For search examples, see:
Address Capture on the Intranet	Single Line hierarchical	Single Line search examples on page 8.
Address Capture on the Web	Single Line flattened	Single Line search examples on page 8.
Address Verification on the Web	Verification	Verification search examples on page 10.
Address Capture	Single Line flattened	Single Line search examples on page 8.
Address Verification	Verification	Verification search examples on page 10.
Single Line	Single Line hierarchical	Single Line search examples on page 8.
Standard	Typedown Single Line hierarchical	Typedown examples on page 7. Single Line search examples on page 8.
ActiveX Control	Typedown Single Line hierarchical	Typedown examples on page 7. Single Line search examples on page 8.

Search Examples: Verification

Users of Pro Web can use address verification functionality to verify a customer's address once they have typed it in full into a web form.

The ESP dataset contains limited premises-level information. Building numbers can be passed through the Verification engine, but will not be checked if premises-level information is not available.

The following table provides a list of example searches and the Verify level they return.

Verify level	Example
Verified	**calle suances 63** **12100 el grao** This search brings back a verified address with the verify level of "Verified".
Multiple	**independencia 4** **madrid** This search shows what is returned if the user attempts to verify an incomplete address. This search brings back a verify level of "Multiple" and offers a picklist of possible addresses.
None	**Missing Street** **Unknown Town** This search brings back a verify level of "None" as the address does not exist in the data.
InteractionRequired	**nicolas martin 44** **hiendelaencina** This search brings back a verify level of "InteractionRequired" because the street name was not complete and, although there was only one match, the address requires verification from the user.

For more information about the Verification engine, refer to the Address Verification section of the Pro Web Integration Guide.

With Batch

This section details the information relevant to using Batch with Spain address data.

The ESP dataset contains limited premises-level information. Building numbers can be passed through Batch, but will not be checked if premises-level information is not available.

Dataset-Specific Input Field Types

When you are configuring a Batch session, you can specify the address elements which are contained in your input fields. This can speed up the cleaning process as Batch does not have to work out which address element is contained within a field.

The following table describes the input field types that you can specify for ESP data, and the address elements Batch will expect for each. The field types are available from the **Set Field Type** drop-down menu in the Select Input Fields dialog of the Batch Configuration Wizard.

Input Field Type	Expected Address Element
Company	Company
Street line	Street, premises
Premises only	Premises
Postcode/Place	Postcode/Town, province, region
Postcode	Postcode
Place	Town, province, region
Country	Country/ISO code

If your input field contains more than one address element, you can specify these from the **Multiple Elements** sub-menu. For example, you can specify that the Town and Postal code elements are stored in the same field in your input database. The dataset-specific input field types available for ESP data are:

Item	Field Contains
Street	Street
Premises	Premises
Postcode	Postcode
Town	Town
Province	Province
Region	Region
Country	Country/ISO code

Search Examples: Batch Interactive

For information about the best methods for searching on Spanish addresses using Batch Interactive please refer to Single Line search examples on page 8 and Typedown search examples on page 7.