

#### 1.12.4 PERSON REFERENCES

Field	Format	Max Length	Comment	Example	GET response	HTTP Header Accept:Version_
<b>PersonReferenceTypes</b>						
Id	Integer	22	Id of the object for Person – fixed to 12	12	Yes	1.0
Name	Alpha	6	Name of the object – always “Person”	Person	Yes	1.0
<b>ReferenceTypes</b>						
<b>Reference</b>			<b>Reference is a sub element of Reference Types</b>			
Sequence	Integer	22	Sequence of this reference type within the hierarchy (can be up to 10)	2	Yes	1.0
ReferenceTypeId	Integer	22	Id of reference type	1261	Yes	1.0
Code	Alpha	15	Code of this reference type – user friendly	Pref	Yes	1.0
Name	Alpha	30	Longer name of this reference type – user friendly	Preferences	Yes	1.0

## 1.13 RETRIEVE REFERENCE TYPES

The Reference Type details are retrieved by submitting a **GET** to the following URI. All Reference Type Ids will be returned.

### 1.13.1 URI REQUEST FORMAT

/ReferenceTypes/{id}?countryCode={countryCode}

### 1.13.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Id	Optional	Id of Reference Type

### 1.13.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ReferenceTypes/?countryCode=AU>

Content-type: text/xml  
Accept:version\_2.0

### 1.13.4 EXAMPLE RESPONSE

```
<ReferenceTypes>
<ReferenceType>
<Id>1</Id>
<Code>Class</Code>
<Name>Product Class</Name>
</ReferenceType>
<ReferenceType>
<Id>211</Id>
<Code>Cmplreas</Code>
<Name>Completed Reason</Name>
</ReferenceType>
<ReferenceType>
<Id>1969</Id>
<Code>Coil #</Code>
<Name>Coil Number</Name>
</ReferenceType>
<ReferenceType>
<Id>426</Id>
<Code>ColrType</Code>
<Name>Colour Type</Name>
</ReferenceType>
<ReferenceType>
<Id>100</Id>
<Code>Comments</Code>
<Name>Comments</Name>
</ReferenceType>
<ReferenceType>
<Id>2</Id>
<Code>Comp Grp</Code>
<Name>Component Group</Name>
</ReferenceType>
<ReferenceType>
<Id>22</Id>
<Code>Company</Code>
<Name>Company</Name>
</ReferenceType>
....etc....
</ReferenceTypes>
```

### 1.13.5 SUCCESS RESPONSE

HTTP Response		
200		

### 1.13.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

## 1.14 RETRIEVE REFERENCE CODES

The reference codes for a particular Reference Type Id are retrieved by submitting a **GET** to the following URI.

### 1.14.1 URI REQUEST FORMAT

/References/{referencetypeld}/{refcodeId}?CountryCode={countryCode}

### 1.14.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
ReferenceTypeld	Mandatory	Reference Type Id to be queried
RefcodeId	Optional	Reference Code Id

### 1.14.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/References/1?countryCode=AU>

Content-type: text/xml  
Accept:version\_2.0

### 1.14.4 EXAMPLE RESPONSE

```
<ReferencesbyType>
<ReferenceTypeId>1</ReferenceTypeId>
<ReferenceTypeCode>Class</ReferenceTypeCode>
<ReferenceTypeName>Product Class</ReferenceTypeName>
<References Type="Array">
  <Reference>
    <ReferenceTypeId>1</ReferenceTypeId>
    <Id>2368</Id>
    <Code>Accessories</Code>
    <Name>Accessories</Name>
    </Reference>
    <Reference>
      <ReferenceTypeId>1</ReferenceTypeId>
      <Id>6723</Id>
      <Code>Belts</Code>
      <Name>Belts</Name>
      </Reference>
      <Reference>
        <ReferenceTypeId>1</ReferenceTypeId>
        ....etc....
      </References>
    </ReferencesbyType>
```

#### 1.14.5 SUCCESS RESPONSE

HTTP Response		
200		

#### 1.14.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

### 1.15 RETRIEVE PRODUCT REFERENCE TYPES

The Reference Type details for products are retrieved by submitting a **GET** to the following URI. The Ids returned will be used to retrieve the product navigation tree.

#### 1.15.1 URI REQUEST FORMAT

/ProductReferenceTypes?countryCode={countryCode}

#### 1.15.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
ExtendedRefs	Optional	"True" to return all product references (not just style references) can be up to 20.

#### 1.15.3 EXAMPLE REQUEST

GET

<https://retailapi.apparel21.com/RetailAPI/ProductReferenceTypes?countryCode=AU&ExtendedRefs=true>

Content-type: text/xml  
Accept:version\_2.0

#### 1.15.4 EXAMPLE RESPONSE

```
<ProductReferenceTypes xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Id>99</Id>
    <Name>Product</Name>
    <ReferenceTypes Type="Array">
        <Reference>
            <Sequence>1</Sequence>
            <ReferenceTypeId>257</ReferenceTypeId>
            <Code>Range</Code>
            <Name>Product Range</Name>
        </Reference>
        <Reference>
            <Sequence>2</Sequence>
            <ReferenceTypeId>1021</ReferenceTypeId>
            <Code>Season</Code>
            <Name>Product Season</Name>
        </Reference>
        <Reference>
            <Sequence>3</Sequence>
            <ReferenceTypeId>1</ReferenceTypeId>
            <Code>Prod Grp</Code>
            <Name>Product Group</Name>
        </Reference>
        <Reference>
            <Sequence>4</Sequence>
```

```

<ReferenceTypeId>1201</ReferenceTypeId>
<Code>StockTyp</Code>
<Name>Stock Type</Name>
</Reference>
<Reference>
    <Sequence>5</Sequence>
    <ReferenceTypeId>258</ReferenceTypeId>
    <Code>Label</Code>
    <Name>Product Label</Name>
</Reference>
<Reference>
    <Sequence>6</Sequence>
    <ReferenceTypeId>1621</ReferenceTypeId>
    <Code>COrigin</Code>
    <Name>Country of Origin</Name>
</Reference>
<Reference>
    <Sequence>7</Sequence>
    <ReferenceTypeId>315</ReferenceTypeId>
    <Code>Batch Tp</Code>
    <Name>Batch Type</Name>
</Reference>
<Reference>
    <Sequence>11</Sequence>
    <ReferenceTypeId>2</ReferenceTypeId>
    <Code>Comp Grp</Code>
    <Name>Component Group</Name>
</Reference>
<Reference>
    <Sequence>13</Sequence>
    <ReferenceTypeId>19</ReferenceTypeId>
    <Code>Story</Code>
    <Name>Story</Name>
</Reference>
</ReferenceTypes>
</ProductReferenceTypes>

```

#### 1.15.5 SUCCESS RESPONSE

HTTP Response		
200		

#### 1.15.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

### 1.16 RETRIEVE PRODUCT COLOUR REFERENCE CODES

The Product Colour Reference Codes are retrieved by submitting a **GET** to the following URI.

#### 1.16.1 URI REQUEST FORMAT

/ProductColourReferences?countryCode={countryCode}

#### 1.16.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper

#### 1.16.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/ProductColourReferences?countryCode={{CodeForCountry}}>

Content-type: text/xml

Accept:version\_2.0

#### 1.16.4 EXAMPLE RESPONSE

```
<ProductColourReference>
  <ClrId>1142</ClrId>
  <RowNumber>1</RowNumber>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>1221</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>425</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1000903</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1322</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1000001</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>202</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>1261</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>256</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>419</ReferenceTypeId>
      <Id />
    </Reference>
    <Reference>
      <ReferenceTypeId>10</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
</ProductColourReference>
....etc....
```

#### 1.16.5 SUCCESS RESPONSE

HTTP Response		
200		

#### 1.16.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

## 1.17 RETRIEVE PRODUCT COLOUR REFERENCE CODES FOR A SINGLE PRODUCT COLOUR

The Product Colours References are retrieved by submitting a **GET** to the following URI.

### 1.17.1 URI REQUEST FORMAT

/ProductColourReferences/clrid/?countryCode={countryCode}

### 1.17.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
ClrlId	Mandatory	Unique Id of the style / colour

### 1.17.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/ProductColourReferences/1002?countryCode=AU>

Content-type: text/xml  
Accept:version\_2.0

### 1.17.4 EXAMPLE RESPONSE

```
<ProductColourReferences>
  <ClrlId>1002</ClrlId>
  <RowNumber>1</RowNumber>
  <References Type="Array">
    <Reference>
      <ReferenceTypeId>1002</ReferenceTypeId>
      <Id />
    </Reference>
  </References>
</ProductColourReferences>
```

### 1.17.5 SUCCESS RESPONSE

HTTP Response		
200		

### 1.17.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

## 1.18 RETRIEVE PERSON REFERENCE CODES

The Person References are retrieved by submitting a **GET** to the following URI.

### 1.18.1 URI REQUEST FORMAT

/PersonReferenceTypes/?countryCode={countryCode}

### 1.18.2 REQUEST PARAMETERS

Field	Required	Comment
CountryCode	Mandatory	Country Code of shopper

### 1.18.3 EXAMPLE REQUEST

GET <https://retailapi.apparel21.com/RetailAPI/PersonReferenceTypes?countryCode=AU>

Content-type: text/xml  
Accept:version\_2.0

### 1.18.4 EXAMPLE RESPONSE

```
<Id>12</Id>
<Name>Person</Name>
<ReferenceTypes Type="Array">
    <Reference>
        <Sequence>1</Sequence>
        <ReferenceTypeId>1281</ReferenceTypeId>
        <Code>SType</Code>
        <Name>Store Type</Name>
    </Reference>
    <Reference>
        <Sequence>2</Sequence>
        <ReferenceTypeId>1321</ReferenceTypeId>
        <Code>PerType</Code>
        <Name>Person Type</Name>
    </Reference>
    <Reference>
        <Sequence>3</Sequence>
        <ReferenceTypeId>1361</ReferenceTypeId>
        <Code>AgeGrp</Code>
        <Name>Age Group</Name>
    </Reference>
    <Reference>
        <Sequence>5</Sequence>
        <ReferenceTypeId>27</ReferenceTypeId>
        <Code>SalesRep</Code>
        <Name>Sales Rep</Name>
    </Reference></ReferenceTypes>
</PersonReferenceTypes>
```

### 1.18.5 SUCCESS RESPONSE

HTTP Response		
200		

### 1.18.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

## 8 NAVIGATION TREE

This resource provides a tree of product references which can be used to construct a navigation path for finding products. The structure and levels of the tree is defined by the query providing the product reference types to navigate by. Up to 5 levels can be requested.

Refer to [Product References](#) for further detail.

### 1.19 NAVIGATION TREE DETAILS

Each reference tree consists of up to 5 levels of nodes. The following is a description of fields for one level.

Field	Format	Max Length	Comment	Example	GET Response	HTTP Header Accept:Version_
Level	Integer	1	Level of Node	2	Yes	1.0
NodeId	Integer	22	Unique Id for node. This is useful for storing the nodes in a browser object.	2	Yes	1.0
ReferenceTypeId	Integer	22	Id of the refence type	257	Yes	1.0
ReferenceId	Integer	22	Id of reference. A reference is an instance of a reference type.	6326	Yes	1.0
ReferenceCode	Alpha	15	Reference Code	Mens	Yes	1.0
ReferenceName	Alpha	40	Reference Name	Mens	Yes	1.0
ProductQuery	Alpha	250	A string which is used as query parameter to the the products resource to get a list of products satisfying this node. Format is <i>sequence,reference code index:sequence,reference code index</i> Sequence = reference position on the product Reference code index = unique identifier for reference code, e.g. 12345 = Womens	1,2405:2,63 26	Yes	1.0
ProductQueryNames	Alpha	250	Description of the references building up this node.	Commune, Mens	Yes	1.0
LevelProductQuery	Alpha	250	Product query string for this level only.	2,6326	Yes	1.0

## RETRIEVE NAVIGATION TREE

Perform a **GET** on the following URI to detect the product reference (navigation) tree types available from the Apparel<sup>21</sup> installation. The parameter values for levels are the reference type ids as retrieved previously. Typically these would be stored in a configuration file at the website provider.

### 1.19.1 URI REQUEST FORMAT

ReferenceTree?countryCode={countryCode}&level1={id1}&level2={id2}&level3={id3}&level4={id4}&level5={id5}

### 1.19.2 REQUEST PARAMETERS

Field	Required	Comment
Country Code	Mandatory	Country Code of shopper
Level 1	Mandatory	ReferenceTypeId of the first level of hierarchy
Level 2	Optional	ReferenceTypeId of the second level of hierarchy
Level 3	Optional	ReferenceTypeId of the third level of hierarchy
Level 4	Optional	ReferenceTypeId of the fourth level of hierarchy
Level 5	Optional	ReferenceTypeId of the fifth level of hierarchy

### 1.19.3 EXAMPLE REQUEST

For this example we will use SubBrand, Division and Product Group in the navigation tree.

GET

<https://retailapi.apparel21.com/RetailAPI/ReferenceTree?countrycode=AU&level1=1041&level2=1004&level3=1>

Content-type: text/xml  
Accept:version\_2.0

### 1.19.4 EXAMPLE RESPONSE

```
<ReferenceTree>
<Reference>
<Level>1</Level>
<NodeId>1</NodeId>
<ReferenceTypeId>258</ReferenceTypeId>
<ReferenceId>10991</ReferenceId>
<ReferenceCode>BONZ</ReferenceCode>
<ReferenceName>Bonez Streetwear</ReferenceName>
<ProductQuery>1,10991</ProductQuery>
<ProductQueryNames>Bonez Streetwear</ProductQueryNames>
<LevelProductQuery>1,10991</LevelProductQuery>
<Children>
<Reference>
<Level>2</Level>
<NodeId>2</NodeId>
<ReferenceTypeId>257</ReferenceTypeId>
<ReferenceId>6326</ReferenceId>
<ReferenceCode>Mens</ReferenceCode>
<ReferenceName>Mens</ReferenceName>
<ProductQuery>1,10991:2,6326</ProductQuery>
```

```

<ProductQueryNames>Bonez Streetwear, Mens</ProductQueryNames>
<LevelProductQuery>2,6326</LevelProductQuery>
<Children>
<Reference>
<Level>3</Level>
<NodeId>3</NodeId>
<ReferenceTypeId>1</ReferenceTypeId>
<ReferenceId>2797</ReferenceId>
<ReferenceCode>Dresses</ReferenceCode>
<ReferenceName>Dresses</ReferenceName>
<ProductQuery>1,10991:2,6326:3,2797</ProductQuery>
<ProductQueryNames>Bonez Streetwear, Mens, Dresses</ProductQueryNames>
<LevelProductQuery>3,2797</LevelProductQuery>
<Children />
</Reference>
</Children>
</Reference>
<Reference>
<Level>2</Level>
<NodeId>4</NodeId>
<ReferenceTypeId>257</ReferenceTypeId>
<ReferenceId>5063</ReferenceId>
<ReferenceCode>Women</ReferenceCode>
<ReferenceName>Womens</ReferenceName>
<ProductQuery>1,10991:2,5063</ProductQuery>
<ProductQueryNames>Bonez Streetwear, Womens</ProductQueryNames>
<LevelProductQuery>2,5063</LevelProductQuery>
<Children>
<Reference>
<Level>3</Level>
<NodeId>5</NodeId>
<ReferenceTypeId>1</ReferenceTypeId>
<ReferenceId>2364</ReferenceId>
<ReferenceCode>Jackets</ReferenceCode>
<ReferenceName>Jackets</ReferenceName>
<ProductQuery>1,10991:2,5063:3,2364</ProductQuery>
<ProductQueryNames>Bonez Streetwear, Womens , Jackets</ProductQueryNames>
<LevelProductQuery>3,2364</LevelProductQuery>
<Children />
</Reference>
</Children>
</Reference>
</Children>
</Reference>
<Reference>
<Level>1</Level>
<NodeId>6</NodeId>
<ReferenceTypeId>258</ReferenceTypeId>
<ReferenceId>2405</ReferenceId>
<ReferenceCode>COMM</ReferenceCode>
<ReferenceName>Commune</ReferenceName>
<ProductQuery>1,2405</ProductQuery>
<ProductQueryNames>Commune</ProductQueryNames>
<LevelProductQuery>1,2405</LevelProductQuery>
<Children>
<Reference>
<Level>2</Level>
<NodeId>7</NodeId>
<ReferenceTypeId>257</ReferenceTypeId>
<ReferenceId>4060</ReferenceId>
<ReferenceCode>Accessories</ReferenceCode>
<ReferenceName>Accessories</ReferenceName>
<ProductQuery>1,2405:2,4060</ProductQuery>
<ProductQueryNames>Commune, Accessories</ProductQueryNames>
<LevelProductQuery>2,4060</LevelProductQuery>
<Children>
<Reference>
<Level>3</Level>
<NodeId>8</NodeId>
<ReferenceTypeId>1</ReferenceTypeId>
<ReferenceId>2368</ReferenceId>
<ReferenceCode>Accessories</ReferenceCode>
<ReferenceName>Accessories</ReferenceName>
<ProductQuery>1,2405:2,4060:3,2368</ProductQuery>
<ProductQueryNames>Commune, Accessories, Accessories</ProductQueryNames>
<LevelProductQuery>3,2368</LevelProductQuery>
<Children />
</Reference>

```

....etc....

When a user clicks on a particular node, the associated products can be retrieved via the **ProductQuery** elements.

<ProductQuery>1,2405:2,4060:3,2368</ProductQuery>

**Note:** Record details of this element will be used in the products endpoint.

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#### 1.19.5 SUCCESS RESPONSE

HTTP Response		
200		

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#### 1.19.6 ERROR RESPONSE

HTTP Error	API Error Code	API Error Text
404		

## 9 PRODUCTS

The API retrieves relevant product information necessary for the customer to browse products on the website. The detail includes

- Description
- Colour and size information
- Pricing
- Stock availability
- Barcodes
- Product Reference Code details

There are six different methods of obtaining product information.

The following resources construct product detail in three levels – product, colour and SKU – with pricing and stock availability.

*List of products*

*Single product by Id*

*Products you might like*

The following resources do not provide SKU level detail including stock availability.

*Get list of products – simple*

*Single product by Id – simple*

*Product notes by Id*

*Product colour notes by colour Id*

There may be many colours for a product and each colour is able to have up to 30 sizes (SKU).

### Colour References

Products are sometimes grouped at the colour level using Colour References. A list of products with similar colour references can be obtained using the *Clr Id* on the Product detail and using the request listed in [Product Colours References](#).

### Pricing

By size, there are three price fields:

Price = Current price for today's date

OriginalPrice = Original price (price with no start or end date)

RetailPrice = Current price for today's date from price scheme set in Generic Interface Translation table for SALESNET\_RRP. This may not be the same price scheme as the store.

*Promotional* pricing set up in Apparel<sup>21</sup> *Retail Promotions* is only applied when the Cart is submitted.

The *Markdown Status* element and filter at the product / colour level can be used to see if the current price is a permanent or temporary markdown. This is useful for tagging products for a different area of the website. For example, permanent markdown product / colours can be moved to a “clearance” section of the website. Note: The item MUST have an “ORIGINAL” price for this to be effective. The Original price is the price with NO effective date range.

## **Custom Data**

Apparel21 has Custom Data types that can be added to products. This allows businesses to further enrich the information about their products. As part of enriching data, the Retail API has been updated to allow web developers to retrieve the custom data to use within the web environment.

To utilise the custom data functionality, the header of the call will need to specify ‘version 4’

content-type: text/xml

Accept: version\_4.0

To make Custom Data available to web developers, and the extra information that businesses can add to their products, two product calls have been updated to retrieve the Custom Data.

Full product call

/Products?countryCode={countryCode}&CustomData=true

Single product call

/Products/{id}?countryCode={countryCode}&CustomData=true

An endpoint exists to return product custom data templates and attributes to know how custom data fields are defined.

## **Image URL**

*List of products* and *Single product by Id* resources have a request parameter to return image URLs at product and colour levels.

## 1.20 PRODUCT DETAILS

Field	Format	Max Length	Comment	Example	GET responses							Product colour notes	HTTP Header Accept :Version
					List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes			
Id	Integer	22	Id for the product	34053	Yes	Yes	Yes	Yes	Yes	Yes	No	1.0	
RowNumber	Integer	22	The row number of this product for this query	27	Yes	Yes	Yes	Yes	Yes	No	No	1.0	
Code	Alpha	10	The product code	EMC4	Yes	Yes	Yes	Yes	Yes	No	No	1.0	
Name	Alpha	30	Description of product	Dririder Target Gloves	Yes	Yes	Yes	Yes	Yes	No	No	1.0	
Description	Alpha	254	Comments specified for a product	Waterproof gloves to keep you dry	Yes	Yes	Yes	Yes	Yes	No	No	1.0	
SizeRange	Alpha	30	Size range name – blank for non sized products	6-14	Yes	Yes	Yes	No	No	No	No	1.0	
UpdateTimeStamp	Alpha	256	Date/time the last update was made to the product on the style table or the prices for that style changing for “today” (does not include stock quantity changes)	2010-08-30T11:33:09	Yes	Yes	No	Yes	Yes	No	No	2.0	
OriginalPriceFrom	Num(22,2)	22	Original lowest price of the product	79.95	No	No	No	Yes	Yes	No	No	1.0	
PriceFrom	Num(22,2)	22	Current lowest price of the product	69.95	No	No	No	Yes	Yes	No	No	1.0	
OriginalPriceTo	Num(22,2)	22	Original Highest price of the product	109.95	No	No	No	Yes	Yes	No	No	1.0	
PriceTo	Num(22,2)	22	Current Highest price of the product	99.95	No	No	No	Yes	Yes	No	No	1.0	

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept :Version
References			The list of reference Ids for this product.									
Reference			Reference is a sub-element of references.									
ReferenceTypeId	Integer	22	The reference type Id	257	Yes	Yes	Yes	No	No	No	No	1.0
Id	Integer	22	The reference Id of this reference type for this product	6326	Yes	Yes	Yes	No	No	No	No	1.0
CustomData			List of Cards of Custom Data on product level		Yes	Yes	No	No	No	No	No	4.0
Cards	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Card	Alpha		Name=""		Yes	Yes	No	No	No	No	No	4.0
Fields	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Field	Alpha, Number, Boolean, Date		Name=""	Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0
ListValues	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Value	Alpha, Number, Boolean, Date			Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0

Field	Format	Max Length	Comment	Example	GET responses							Product colour notes	HTTP Header Accept :Version
					List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes			
Images			List of image URLs on product level Type="Array"		Yes	Yes	No	No	No	No	No	No	4.0
Image	Alpha		Sub-element of Images		Yes	Yes	No	No	No	No	No	No	4.0
Sequence	Integer	22	Sequence Id of image in the array	1	Yes	Yes	No	No	No	No	No	No	4.0
TypeId	Integer	22	Reference Type Id	11804	Yes	Yes	No	No	No	No	No	No	4.0
TypeCode	Alpha	15	Code of Reference Type Id	WEB-02	Yes	Yes	No	No	No	No	No	No	4.0
Url	Alpha	1000	A web-based image URL	https://res.cloudinary.com/enviromedia/image/upload/v1501634857/101780-3820/0011/001/3.png	Yes	Yes	No	No	No	No	No	No	4.0
Clrs			The list of colours for this product										
Clr			Clr is a sub-element of Clrs										
Id	Integer	22	The Id for this colour for this product	542	Yes	Yes	Yes	No	No	No	Yes	1.0	
ProductId	Integer	22	The product Id which is the parent of this colour	34053	Yes	Yes	Yes	No	No	No	No	No	1.0
Sequence	Integer	22	The sequence of this colour within this product.	1	Yes	Yes	Yes	No	No	No	No	No	1.0

Field	Format	Max Length	Comment	Example	GET responses							Product colour notes	HTTP Header Accept :Version
					List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes			
Code	Alpha	21	Colour code	Noir	Yes	Yes	Yes	No	No	No	No	1.0	
Name	Alpha	61	Colour Name	Noir comme poix	Yes	Yes	Yes	No	No	No	No	1.0	
TypeCode	Alpha	<sup>21</sup>	If reference group ColType / Colour Type (RGIDX = 426) is attached to the Colour object in Object Maintenance then this will extract the reference code applied to the colour in the colour table. If this reference group is NOT attached to the colour object, then this will extract colour code.  The purpose of grouping colours with a type could be useful for grouping the many unique representations of a colour for different products. E.g. Black, Nero, Noir, grouped under one reference code called Black.	BLK	Yes	Yes	Yes	No	No	No	No	1.0	
TypeName	Alpha	61	The global type name for this colour. See above explanation for code. This is the reference description for the same thing. If colour type	Black	Yes	Yes	Yes	No	No	No	No	1.0	

					GET responses							
Field	Format	Max Length	Comment	Example	List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes	Product colour notes	HTTP Header Accept :Version
			not set up, will show colour description.									
MarkdownStatus	Alpha	9	Permanent / Temporary / TempPermanent / None – this indicates whether the item is a clearance item or not. If permanent markdown, this indicates a clearance product / colour. TempPermanent is a permanently marked down item with a temporary markdown in place.	Permanent	Yes	Yes	No	No	No	No	No	1.0
References			The list of reference Ids for colour.		Yes	Yes	Yes	No	No	No	No	4.0
Reference			Reference is a sub-element of references.		Yes	Yes	Yes	No	No	No	No	4.0
ReferenceTypeId	Integer	22	The reference type Id	1321	Yes	Yes	Yes	No	No	No	No	4.0
Id	Integer	22	The reference Id of this reference type for this product	4362	Yes	Yes	Yes	No	No	No	No	4.0
CustomData			List of Cards of Custom Data on colour level		Yes	Yes	No	No	No	No	No	4.0
Cards	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0
Card	Alpha		Name=""		Yes	Yes	No	No	No	No	No	4.0
Fields	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0

Field	Format	Max Length	Comment	Example	GET responses							Product colour notes	HTTP Header Accept :Version
					List of Products	Single Product by Id	Products you might like	List of products - simple	Single product – simple	Product notes			
Field	Alpha, Number, Boolean, Date		Name=""	Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0	
ListValues	Alpha		Type="Array"		Yes	Yes	No	No	No	No	No	4.0	
Value	Alpha, Number, Boolean, Date			Summer, 2134558, YES, 2019-03-30	Yes	Yes	No	No	No	No	No	4.0	
Images			<b>List of image URLs on product level</b> Type="Array"		Yes	Yes	No	No	No	No	No	4.0	
Image	Alpha		<b>Sub-element of Images</b>		Yes	Yes	No	No	No	No	No	4.0	
Sequence	Integer	22	Sequence Id of image in the array	1	Yes	Yes	No	No	No	No	No	4.0	
TypeId	Integer	22	Reference Type Id	11804	Yes	Yes	No	No	No	No	No	4.0	
TypeCode	Alpha	15	Code of Reference Type Id	WEB-02	Yes	Yes	No	No	No	No	No	4.0	
Url	Alpha	1000	A web-based image URL	https://res.cloudinary.com/enviromedia/image/upload/v1501634857/101780-	Yes	Yes	No	No	No	No	No	4.0	