

# PRODUCT SPECIFICATION

FTSE RAFI Index Series  
FTSE RAFI Real Estate Indices  
Five Day Tracker Service

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## INDEX SPECIFICATION

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### INDEX DESCRIPTION

- The FTSE RAFI Index Series, calculated in association with Research Affiliates is a family of indices using specific fundamental factors that weights index constituents, rather than market capitalization. The weights are therefore not dependant upon price-based stock market based valuations.

### INDEX ATTRIBUTES

- The following index table shows the specifications of the index and the attributes.

Index Specification	Attribute
Index Name	FTSE RAFI Real Estate Global ex US Index FTSE RAFI Real Estate US 100 Index
Base Index Date	19 March 2007
Base Index Value	5000
Base Index Currency	USD
Base Currency Date	30 September 2005

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### FILE RANGE

Index Name	Index Code (Marker)
FTSE RAFI Global ex US Real Estate Index	FRXR
FTSE RAFI US 100 Real Estate Index	FRUR

### FILE NAME

File Name	File Name and Extension
FTSE RAFI Real Estate Five Day Tracker Service	rref <i>ddmm</i> .csv

(\*Where *ddmm* is effective date and month)

### FILE DDS PATH

[http://data.ftse.com/rafi/rafi\\_real\\_estate\\_five\\_day\\_tracker](http://data.ftse.com/rafi/rafi_real_estate_five_day_tracker)

### SERVICE TIMING

Available 23:30 hours GMT (Greenwich Mean Time) or BST (British Summertime) as applicable.

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## FILE CONTENT

- FTSE RAFI Real Estate Five Day Tracker Service (*rrefddmm.csv*)

Field	Description	Example	Decimal Places	Data Type	Mandatory (Y/N)
Value Date	Value date of the file	16/10/2007		Date	N
Effective Date	Date in which change data displayed will be effective	16/10/2007		Date	N
Cons Code	Constituent identifier code	C52551		String	N
Constituent Name	Name of company	Hopson Dev Hold		String	N
SEDOL	SEDOL Security Identifier	6116246		String	N
CUSIP	CUSIP Security Identifier where available			String	N
Country Code	Country code for Security	HK		String	N
Exchange Code	Exchange code for Security	FHH		String	N
ISO Code	ISO Currency code for Security	HKD		String	N
Index Marker	Codes for indexes of which security is a constituent	FRXR		String	N
Closing Subsector Code	FTSE RAFI Subsector identifier (4 digit code)			Integer	N
New Subsector Code	New FTSE RAFI Subsector identifier (4 digit code)			Integer	N
Closing Price	Previous day's closing price in currency specified	29.75	6	Float	N
Price Adjustment Factor	Price adjustment factor		6	Float	N
Adjusted Price	Share price in currency indicated after weighting amendment		6	Float	N
Previous Shares In Issue	Number of shares in issue before corporate amendment	1285100000		Integer	N
New Shares In Issue	Number of shares in issue after corporate amendment	1472368346		Integer	N
Previous Investability Weight	Percentage of market capitalisation in issue included in the Indices at close		6	Float	N
New Investability Weight	New percentage of market capitalisation included in the Indices close		6	Float	N
Previous RAFI Factor	Previous RAFI Factor applied to the market capitalisation in issue included in the Indices at close		6	Float	N
New RAFI Factor	New RAFI Factor applied to the market capitalisation in issue included in the Indices at close		6	Float	N
Amendment Code	Code for weighting and housekeeping amendments	IS		String	N
Amendment Notes	Details, where available, on weighting amendment code			String	N

## FILE EXAMPLE

- **rrefddmm.csv**

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FTSE RAFI Real Estate Five Day Tracker Service

Value Date,Effective Date,Cons Code,Constituent Name,SEDOL,CUSIP,Country Code,Exchange Code,ISO Code,Index Marker,Closing Subsector Code,New Subsector Code,Closing Price,Price Adjustment Factor,Adjusted Price,Previous Shares In Issue,New Shares In Issue,Previous Investability Weight,New Investability Weight,Previous RAFI Factor,New RAFI Factor,Amendment Code,Notes  
12/07/2007,18/07/2007,C44287,"Scor S.A.",B1LB9P6,,FRA,EFP,EUR,FRSDEURS  
FRSDXUS,,,20.150000,,,136242318,175141047,,,,,IS,  
12/07/2007,17/07/2007,C41918,"Fortis  
Inc",2347200,349553107,CAN,NCT,CAD,FRSDXUS,,,26.300000,,,109155129,153885250,,,,,IS,  
12/07/2007,12/07/2007,C30118,"Hotel Properties",6440183,,SI,FMS,SGD,FRSDPXJ  
FRSDXUS,,,6.250000,0.909126,5.682036,457909410,503700351,,,,,CX,  
12/07/2007,18/07/2007,C73799,"Converium Holding AG",7248256,,SWIT,SWX,CHF,FRSDEURS  
FRSDXUS,8538,,22.650000,,,146318333,,100.000000,,,,,CD,Constituent deletion  
12/07/2007,13/07/2007,C48919,"Rhoen Klinikum",4717629,,GER,EDX,EUR,FRSDEURS  
FRSDXUS,,,43.650000,0.500000,21.825000,51840000,103680000,,,,,SB,Stock Split 2:1.  
XXXXXXXXXX

## EXCHANGE RATES FILE SPECIFICATION

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An Exchange Rates file is provided free of charge with this service.

### FILE NAME

File Name	File Name and Extension
FTSE Exchange Rates File	WIXR.ddmm.csv*

(\* where *ddmm* is effective date and month)

### FILE CONTENT

Field	Description	Decimal Places
Date	ddmmyyyy format	
ISO Currency Code	Currency code	
USD Exchange Rate	USD exchange rate used for calculation (WM/Reuters closing rates)	Up to 6

(\*where *dd/mm/yyyy* is effective date, month and year)

### FILE EXAMPLE

12/01/2007(C) FTSE International Limited 2007. All Rights Reserved  
FTSE Exchange Rate Service

Date,ISO Currency Code,USD Exchange Rate

01/12/2007,ARS,3.081250  
01/12/2007,ATS,10.640100  
01/12/2007,AUD,1.278040  
01/12/2007,BEF,31.192650  
01/12/2007,BRL,2.142700  
01/12/2007,CAD,1.170500  
01/12/2007,CHF,1.247000  
01/12/2007,CLP,539.900000  
01/12/2007,CNY,7.798400  
01/12/2007,COP,2218.600000  
01/12/2007,CZK,21.502050  
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## VERSION HISTORY

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### Product Specification Document Version History

- Version 1.0 - Initial Product Specification - October 2007

## FTSE CONTACT DETAILS

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## APPENDIX A

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- *FTSE Dividend Codes*

<b>Code</b>	<b>Type of Dividend</b>	<b>FTSE Dividend Notes</b>
F	Final Dividend	
I	Interim Dividend	
Q	Quarter Dividend	
D	Final FID Dividend	
R	Interim FID Dividend	
T	Quarter FID Dividend	
H	Final Ord/FID Dividend	amount of FID payment
J	Interim Ord/FID Dividend	amount of FID payment
K	Quarter Ord/FID Dividend	amount of FID payment
S	Special Dividend	
M	Miscellaneous dividend	
Y	Annually paid dividend	

## • **FTSE Amendment Codes**

**Note that housekeeping changes will appear above corporate actions in the file.**

### Housekeeping Changes

CODE	FTSE Amendment Note	Notes for service user
CA	Constituent Addition	Includes quarterly review changes and classification changes
CD	Constituent Deletion	Includes quarterly review changes and classification changes
NC	Name Change	Former name will appear in notes field
SC	SEDOL Change	Former SEDOL code will appear in notes field
CS	CUSIP Change	Former CUSIP code will appear in notes field
CU	Currency Change	Former currency will appear in notes field
SS	Subsector Change	Subsector Classification Code Change
IC	Investability weight change	Terms included in notes field, as available
SW	Share Weight Change	
MC	EPIC Change	Former EPIC code will appear in notes field

### Corporate Actions

CODE	FTSE Amendment Note	Notes for service user
CP*	Capital Repayment	Terms included in notes field, as available
CI	Capitalisation Issue	Terms included in notes field, as available
RI*	Rights Issue	Terms included in notes field, as available
SB	Subdivision	Terms included in notes field, as available
CX*	Complex	
CN	Consolidation	Terms included in notes field, as available
IS	Share Change	Includes: Employee shares Exercise of Options Exercise of Warrants Further Issue Issue for Cash Offer for subscription Satisfaction of loan Merger Placing Scheme of Arrangement Vendor Consideration Buy-back Cap in lieu of dividend Company Reorganisation Conversion of shares Exchange Offer

\*indicates Corporate Action types which will not appear until one-day prior to implementation.